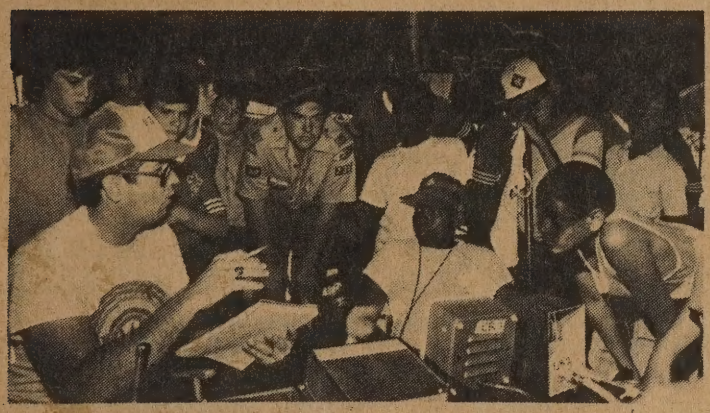
*Serving Florida Amateurs Over A Quarter Century*

# florida SKIP

NON-PROFIT CORPORATION

VOL. 29 No. 11 THE ALL-FLORIDA AMATEUR RADIO PUBLICATION April 1986 Price 50 cents



**Some 2,000 scouts attended the 27th Annual Scoutmaster's Camporee held in Holiday Park, Ft. Lauderdale on Feb. 14, 15 and 16th, 1986. David Crane, WB4ERU, was one of the amateurs at the Amateur Radio exhibit. (photo by Roy Erickson WA4BLH)**

## NO INTERFERENCE ALLOWED

**By Spyros Kosametatos, N4NIA**

Comments about my proposal for state legislation to deal with malicious interference is getting mixed reviews. About half think it is a good idea, and half oppose it. The primary objection seems to be that amateurs feel such a law would backfire and bring other restrictions to the hobby.

My proposal has certainly sparked comment among the ranks of Florida amateurs. In this respect, it has brought people together to discuss how the interference problem should or could be resolved.

Andy Clark, W4IYT, E.C. Dade Co., invited me to speak to the Dade County Amateur Radio Public Service Corps planning

QSY back page Col. 1

COMING EVENTS

Suncoast ARRL Convention, Oct. 18 & 19th
Jacksonville Hamfest, Aug. 9th 10th
National QCWA Conv. St. Pete Oct 31 Nov 1
Miami Hamboree Feb. 7 & 8, 1987.
FLORIDA QSO PARTY May 3 & 4th.
(To prevent date conflicts, PLEASE send in your Hamfest dates early. Thanks. Editor.

SECOND CLASS MAIL

[redacted]

## DEALING WITH WILLFUL INTERFERENCE PROPERLY

**By Bill Pasternak, WA6ITF**
**Editor: The Westlink Report**

I was aghast when I read the front page article in the February 1986 issue of this magazine as authored by Spyros Kosmetatos, N4NIA. After years of fighting to get the FCC to finally take a public stand in which it stated that it had the jurisdiction in matters pertaining to amateur radio, we suddenly see an amateur eager to provide a short term solution to a long term problem who is willing to undo all that the ARRL and other hams nationwide fought for in the initiative of PRB-1.

Yes, you have a jamming problem. A very, very, very minor one when compared to similar situations that have occurred in the past in places such as New York, Chicago, San Francisco and Los Angeles. In fact, you really do not have any idea as to what real jamming of repeaters on an organized level is. I do, having lived through the era of "Underground Radio" in Los Angeles and its northern cousin "Jamming International" in San Francisco. During their hey-day in late 1979 to early 1981, "Underground Radio" numbered over 440 active members who had malicious interference to normal VHF and UHF communications as their day-to-day goal. Assigned by their loose-knit but politically powerful leadership, these minions went forth to, in their very own words: ". . . to conquer every repeater in the 2 meter band and thereby change the face of amateur radio in all of southern California." By late 1981, they had managed to run almost a half-dozen repeaters off of the air including the famous Pallisades Amateur Radio Club station WB6ZDI/WR6ABB. Each time a system went away it was replaced by a machine owned and operated by Underground Radio. Repeaters that welcomed and encouraged the use of foul language, character assassination, inuendo, racial bigotry and ethnic slur as a regular way of operating. Jamming International functioned similarly in San Francisco, only there it is rumored that the group went so far as to hire on retainer a Civil Rights lawyer as an advisor!

Yet today, both groups are gone, and malicious interference in both areas is at an all-time low. Why? Because we forced the FCC and the Department of Justice to enforce laws in Title 18 of the United States Code and in Part 97 of the Commission's rules that lead to the breaking of the back of the jamming groups and instilling the kind of fear in each potential trouble-maker that said: ". . . jam a repeater and you will lose your license and you will go to Federal prison."

The way that this was accomplished is beyond the scope of this article, and is something best handled both off of the air and out of print. The individual responsible for bringing the clean-up about is a Los Angeles lawyer and amateur radio operator named Joseph Merdler, N6AHU. A note or a telephone call to him would bring the type of advice that's needed and at the same time would keep state and local authorities out of the picture. They have, under the concept of Federal Pre-emption, absolutely no right whatever to make any law that in any way has an effect on communications through electromagnetic radiation.

In my view, the Florida Statute protecting police and fire communications against wanton interference would probably be thrown out if it were challenged in Federal court. Regardless of the circumstances, it remains that regulating communications over the airwaves in all services is the pervue of the Federal government and the Federal government only.

QSY P. 13

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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266.

## SILENT KEYS

We are deeply sorry to report the passing of the following Florida amateur operators.

| | | |
|---|---|---|
| K4YY | Ted Stern '80 | Ft. Lauderdale |
| K4BYT | W. W. McChesney, 95 | Gainesville |
| W8GB | Carl Moline | Trenton, FL |
| W4QAJ | George Hales | Seminole |
| WT4B | Ed Ropke | Bradenton |
| KE4JZ | Ben L. Norris | Loxahatchee |
| W1PP | Roger Sykes | Largo |
| WB4ZBK | Ken Allfrey | St. Myers |
| KA1BGA | Willard C. Goldthwaite | Gloucester Ma. Pom Bch. |
| W4CBK | Robert L. Stirk | Orlando |
| KA4DDN | Harold Card, Sr. | Winter Park |
| N4DF | Bill Weisbord | West Palm Bch. |
| KB4EQA | Charles J. Chase | Ft. Lauderdale |
| K4FJS | Harold Geise | Pinellas Park |
| WB4FYS | Victor Astolfi | Medeira Beach |
| N4KRT | Charles R. Walker | Tampa |
| W4OHD | Ramsey H. McDonald | N. Palm Beach |
| W4WYI | Robert Wolcott | Ocala |

## MORE EX CALLS

They will never end. (I hope). Have you sent in you EX CALL?

| | | |
|---|---|---|
| KE4IS | ex | WA4LHK |
| KG6XT | ex | WA4QLZ |
| K4IWK | ex | W9WLS |
| W8NWM | ex | WD4DSA |
| K4PZ | ex | W2TC |
| W4PLH | ex | K3RWI |
| KE4VI | ex | KA8KQD |
| KI4JI | ex | WB4LGK |
| WA4FPI | ex | W1JMF |
| N4AQD | ex | W4VMS, W2VAT, W9OQI |
| N4OK | ex | W4FIK |
| W1PEA | ex | K4QPR |
| KI4XU | ex | WA2DQP |
| W8WY | ex | W9TFN, W3JUF, W8WXA |
| AA4HT | ex | KB4DYH |

## DADE COUNTY AMATEUR DIRECTORY

**A new 76 page Amateur Directory of Dade Amateurs (over 6000) is almost ready for press. Pages 8½ X 11 inches; will contain all known amateurs in Dade County, by Call sign and by last name. The Directory was completed by Dick Dowst, WB4HZK of Homestead before his untimely death last month. Dick worked about 6 months on this project with Ron Bell WN4L. Plans are underway to print at least 2000 copies. To overcome the large printing bill, donations are taken from local amateurs to be listed on a special page. Also full and half page ads are taken from commercial companies. The more ads we can obtain the lower the final selling price will be. Any Dade amateur wishing to assist in this project please call SKIP Editor, Andy Clark W4IYT at 888-3874 for details. All the hard work was done by Dick and Ron. Now comes contacting local dealers to help pay for it. Any Club or group may also take a full or half page ad. This Directory will be kept for years and is not just a one-time-look-see-thing. What say? Any takers? Editor**

## TO THE EDITOR

### HELLO BOOTLEGGERS

Dear Andy:

Just a note to let all your readers know that there is a bootlegger using my ex-call letters WB4LTM. I just had my call changed to KJ4PY. Please put my new call letters on the address label. . .

To date I have received over 60 QSL cards to our bottleg friend and they are still coming in at a rate of 3 or 4 a day plus a package of about 60 that I received last week from the QSL BUREAU. . .

I have been told by other hams that this bootlegger is working from the Kendall area. . . I reported it to the F.C.C. 3 different times, BUT no answer except to say, "DO NOT CONFRONT HIM ON THE AIR." I felt like I had to change my call letters so now I am KJ4PY. . .

73,
Bill Patacchia, KJ4PY
6271 N.W. 37th Terr.
Miami Springs, Florida 33166

Dear Andy:

Please find enclosed a photograph of the Amateur Radio exhibit at the 27th Annual Scoutmaster's Camporee which was held on the weekend of February 14, 15, 16, 1986 at Holiday Park in Fort Lauderdale, Florida.

Please feel free to use this photograph and the enclosed copy in any future issue of Florida Skip.;

I have been reading a great deal lately in the various amateur magazines about the need to bring in some fresh blood into the amateur community. Perhaps the various radio clubs across the state of Florida could become more involved with the Boy Scouts, Girl Scouts, etc. and introduce the scouts to the myriad facets of Amateur Radio. As you know, the Boy Scout Jamboree and K2BSA and the various other amateur stations are active on the ham bands. Perhaps the Florida amateur radio clubs could increase their membeship and recruit new amateurs.

Thank you for your continuing help to the Florida amateurs.

Very truly yours,
David Crane, WB4ERU
3111 Bayview Drive
Fort Lauderdale, FL 33306

Dear Andy,

After reading the March issue of florida Skip, I feel it important enough to write in support of Joel Kandel, KI4T (page 10) and against Spyros Kosmetatos, N4NIA (page 20). Joel has stated facts and Spyros has stated foundationless assumptions which are not true. Spyros states that "the FCC will not take action," but yet on page 32 of Skip, the FCC took considerable action. And I know of many more.

Spyros also states that cases could be prosecuted with amateurs using DF equipment to track down and identify chronic problems. Come on Spyros, our police departments can't keep up with breakins, kidnappings, thefts, maniacs on the road (driven I-95 lately?), and of course Florida's number one industry — drugs. And now you want them to eye hams with suspicion with arrest powers? We are a respected group now but if police agencies get the impression that there's a lot of bad hams, will they really think of us any differently than those on C.B.? We worked hard to earn their respect. Let's not convince them that there are alot of bad hams because there aren't! Luckily, there are only a few!

And last but not least, amateur radio is not an intra-state hobby. While 2 meters doesn't typically cross the Atlantic ocean, it does cross state lines and especially city and county lines. What police agency wants to waste their time with another county's problem? Would Metro-Dade want to chase some RF coming from Hollywood in Broward County? Will the Florida Highway Patrol drive into Georgia to solve an interference problem in North Florida?

I've been licensed for 16 years and found that in extreme cases the FCC is helpful and that one thing does solve most interference — ignore it and it will go away. Sure it's annoying until it does go away but it won't last forever.

I feel that Spyros's solution is a knee jerk reaction to a problem that someday could snowball into a situation where the Sheriff comes to my home to take me away because my neighbor said I "maliciously" interferred with his T.V. set or stereo's speakers. While I may not go to jail and then be found innocent, I don't want to hire a lawyer and spend $5,000-$10,000 to prove my innocence.

How do the rest of you feel about letting the state regulate an international hobby?

73,
Debra & Steven Shapiro, NR4P
8389 Morning Star Rd.
Lake Worth, FL 33467

**FLORIDA SKIP, INC.** 4
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Miami Springs, Florida 33166

Enclosed is $5.00 for 1 year, $9.00 for 2 years membership to Florida Skip.

☐ New ☐ Renewal

My CORRECT address is: Call _____

Name _____

Address _____

City _____

State _____ Zip _____

# TAMPA AMATEUR RADIO HAMFEST

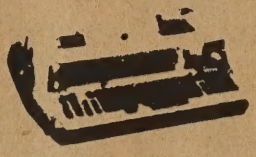
## SATURDAY, APRIL 19, 1986

**(From 8:00 A.M. til 6:00 P.M.)**

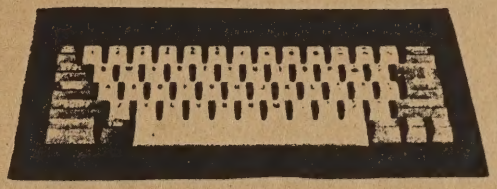
**Fort Homer Hesterly Armory** (Corner of Cass & Howard Ave.)
**Tampa, Fla.**

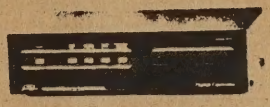
***Sponsored By The Hillsborough Amateur Radio Society (HARS)***

New and Used Amateur Radio Equipment



New and Used Computer Hardware





New and Used Computer Software

# *Come prepared to swap, buy & sell!*

| | |
|---|---|
| **Commercial Booths only** | **$30.00** |
| **Swap Tables** | **$ 7.00** |
| **Admission** | **$ 4.00** |

**Reservations for booths and tables must be made in advance. Assignment will be based on receipt of order and payment. You will receive a confirmation notice immediately.**

**Mail Checks payable to:**

**HILLSBOROUGH AMATEUR RADIO SOCIETY**
**4508 W. BURKE ST.**
**TAMPA, FLORIDA 33614**

Please reserve _____ commercial booths at $30.00 per booth.

Please reserve _____ swap tables at $7.00 per table.

Please send _____ admission tickets at $4.00 per ticket.

Total enclosed _____ .

**Name** _____

**Mail Address** _____

**City & State** _____ **Zip** _____

### FT. MYERS AMATEUR RADIO CLUB
**By Peggy - KY8Y**

F.M.A.R.C. held thier annual Hamfest, which was attended by 600+. Enjoyed chatting with Dick Hill, WA4PFK, who came over from Ft. Lauderdale. Many thanks to Earl, K4FQU and his committee, for their efforts and hard work, to make this Hamfest, the success that it was.

Monte, N0ABC, has been appointed Membership chairman, and is actively seeking new members. The goal of the club is to enlarge the club roster to a total of at least 300 in 1986: the current membership is at 230.

FMARC members helped with communications in the '86 Edison Pageant of LIghts, under the direction of Jack, WB4LTX and Earl, K4FQU, again this year.

Cash, W4MPV organized a bus trip to the Miami Hamboree.

Jan, WB2JCE is a new Extra Class licensee; she took the exam at Miami Hamboree. Congrats, Jan.

Bob, WV4F reports that there are 30 candidates registered for March 22nd exams.

### INDIAN RIVER AMATEUR RADIO CLUB
**By Dick McKlveen, W4YWA**

Thirty-one members showed up for our February meeting and they benefitted from a very interesting talk about antennas by Ron Wiesen, WD8PNL. Since the talk dealt with fundamentals, I managed to follow it quite well! Thanks, Ron. Orton, W4EQE won the frequency guessing contest. Once more, I was at least 40 Mhz off target. Door prizes were carted off by Ralph, WB4IWV; Darrell, K4DVR; and Ted, W4LJB.

As we had mentioned previously, Jim Farrior, W4FOK, is now in Guatemala taking part in an archaeological dig amongst Mayan ruins. Jim has been heard on CW on 7029 khz at about 8 p.m. Those of you who are interested in communicating with Jim should look for him on or near that frequency. While in Guatemala, he will use W4FOK/TG as his call. If conditions dictate, Jim will transmit on 3529 khz, so you might also look for him there also.

It was announced that the IRARC Committee had unanimously approved a plan to merger with the Brevard Repeater Association. It was further divulged that the IRARC pan had been forwarded to the chairman of the BRA Committee for their approval. As of this date, the BRA Committee has not reported back with the result of their review and deliberations. If the two committees can agree on a merger plan, the merger itself will be brought up at a future meeting for final decision by the membership. Continuous updates on the status of the merger will be published in this column and in the club newsletter.

Visitors are always welcome at our meetings. If you happen to be in central Brevard county on the 28th of March, please pay us a visit at room 6, Bldg. D, the Grace Methodist Church, Merritt Island on that date. The meeting convenes at 1930 hours. Hope to see mahy of you there! Also, remember that you can eat, drink, and be merry in the company of congenial Hams at our SMAH (that's HAMS spelled backwords) luncheons held each Friday starting at 11:00 a.m. at the Holiday Inn, A-1-A, Cocoa Beach. Here again, all hams in the general vicinity are cordially welcomed! Look for us in Gully's Coffee Shop just to the right as you enter the front door of the North building.

### GAINESVILLE AMATEUR RADIO SOCIETY
**By Walt Johnston, W4TKE**

Red Cross call up for auto accident pile up on I-75 near Archer exit. This was about 8:15 p.m. W4KFA headed to the Red Cross office to get van. I headed to Shands Hospital. W4KFA in van and WA4UFO in his car went to the accident at I-75. KA4NNS set up two HT's one on 82 repeater and one on 91. Inside Shands we can't use 82. We were very lucky this time because even though the accident was serious, it could have been worse. A semi-truck driver allegedly went to sleep and ran over a car and part of another. The first vehicle had three people (two children and a woman driver) — one child survived that car. The second one — the woman saw it coming and jumped out and was only bruised and shook up. A third vehicle containing a couple and their belongings was wrecked and the people shook-up. W4KFA took these people to the hospital for checkup as usual the wait started at check-in time, 11 p.m. to 1:30 a.m. just for check-up. There were about four other cars that took to the ditch and had to be towed out. The people were OK. W4KFA waited to put the three in a motel until 1:30. The truck driver was held over for obvious reasons so only two were put in hotel. I left hospital just before W4KFA got there, 10:30. WA4UFO went home about same time.

K4IXH Stan Pierce is in the VA hospital with a stroke. The left arm and side is paralized.

The floods were not as bad as had been expected so our disaster chairperson, W4KFA, with Red Cross workers handled a couple of cases at the River area. He is still waiting for the aftermath when people go back to their homes to find how much damage was done.

### THE CLEARWATER AMATEUR RADIO SOCIETY
**By Eli Nannis, K4JMH, Secretary**

At our Feb. 13th meeting, it was standing room only with 61 members and guests attending. The program was presented by Rick, W3LQ, on TTY and AMTOR and also he spoke briefly on packet radio. At our next meeting, there will be a program on packet radio.

It was reported that KA8CDA and KB4QWU have upgraded their licenses. The new members welcomed into our club were Bill Carpenter, WB4ZTQ, Joe Beauregard, K4JNW, Lowry Penrod, KC4MC, Andy Donovan, W1OGK, Ed Burnetta, K1IOQ, Arley Robinson, KB4QEC and his XYL Gladys, KB4QDY, and George Barnes, W8RH.

We now have 232 paid up members. Alan, WB4ZVO, club engineer, reported that there is an intermod problem on our 220 repeater and that a pre-selector pre amp will correct the problem. It was voted to buy the unit. We will provide communications for the run "Run for the Health of it" sponsored by the Morton Plant Hospital. Auto dial numbers are still available for our new members. Tom, N4AIX won the ARRL Antenna book donated by our new Radio store "Connection." The half and half was won by Jani, KO4J.

### METROPOLITAN REPEATER ASSOCIATION
**By Eli Nannis, K4JMH**

The Feb. 27th meeting took place at our new headquarters, the municipal building at Madiera Beach with 67 members and guests in attendance. The Mayor of Madiera Beach, Ken Jacobsen, KB4MZW, was also in attendance. Ken is running for Mayor again unopposed. The club engineer, Bob, N3BI, gave a report on the repeaters. The weather system is in but some units need more work. He is making up a users manual for the repeater. Nolan, W4VXF, the club amateur exam professor advised that from his clas, 9 have received their novice licenses and 17 have upgraded. A report was given by the Suncoast convention to be held in St. Petersburg on October 18, 19 this year. A QCWA national convention is also being held in St. Petersburg on October 31, November 1st so October will be a busy convention month in this area. Bob, N4DKN, advised plans for Field Day is proceeding very well. The refreshments at the meeting were excellent. KB4GBI won the half and half, N4GYG won the ARRL handbook donated by "Connections" and W4DPH won 2 tickets to a show in Tampa.

**SOME of the Clover Leaf Amateur Radio Club (WD4IIO) members who attended their Annual Picnic in Spring of 1985. Back Row L to R: WD4FOB, W2IRF, KB4KFK, WD4FNX, WB4JNC, W4ILE, KB4KFJ, KB4KFH, VE3HVQ and KB4JNB. Front Row L to R: W4UFR, W1LKY, KB4KFI, N4LYT/VE1AII, WB4JJH, W4WPD and KA4BBC. See pix of their fine club station front page of the February issue. (Photo by KB4JNB.)**

A very interesting program was given by Ben Counts, WA4DDF. He gave a talk on the new ACC DVR (Digital Voice Reporder). This is a recorder in a multichannel solid-state digital audio recorder that remotely records and plays back audio for your repeater systems. The audio is digitized and stored in a large semiconductor memory array. Since the DVR is fully solid-state and there are no moving parts, it's ideal for use in remote locations and hard environments — there's simply nothing to wear out. No repeater should be without one.

### HOLLYWOOD A.R.C.
**By Marie Snow, WA4KXQ**

The Hollywood Amateur Radio Club has scheduled its 1986 Fox Hunt for Sunday, April 27th. The initial event of the Fox HUnt will be the regularly scheduled HARC Sunday Morning Breakfast at 9 A.,M. at McDonald's Restaurant, 108 N. 28th Ave., Hollywood. Immediately following the hunters will proceed to the McDonald's Parking Lot to await the starting gun. The fox will be concealed within a two mile radius of the starting point and will be sending signals via the WB4TON Repeater, 146.385/146.985. A two-hour time frame is allowed.

Following the Fox Hunt lunch will be served at the QTH of Minnie, WA4RLS, and Dave, WB4LAX, Levine in Hollywood.

HARC classes leading toward Novice and General licensing will soon be finishing up. About 30 students are enrolled in these classes which began in February and are taught by Tom Middleton, WB4CKY, Paul Manaker, KA4UBC and Les Dwyer, KA4B at Chaminade High School on Tuesday nights. Depending upon demand a second session may be scheduled for this spring. In the past two months approximately 25 students have passed the FCC exams for licensing or upgrading following the HARC classes.

The April 21st general meeting of HARC will feature a Slow Scan Color TV presentation by Tom and Joy Middleton. Meetings are held at the South Satellite Court House in Hollywood at 8 p.m. on the 3rd Monday of the month.

### TRI-COUNTY AMATEUR RADIO SOCIETY
**By Zelma Shaw, WA4MKE, Interim Corresponding Secretary**

After a dozen suggestions for a name for our new club, it was voted to accept Tri-County Amateur Radio Society. Thereby this club was on its way to success! We have a roster of nine charter members: Jeff, WD4LGI, Frank, WD4FTH, Bill, WD4KZQ, Zelma, WA4MKE, Alan, WA4JTK, Sophie, KB4POW, Roger, ND4E, Jack, W4AZO, Al, WA4FZV.

Interim Pres. Roger stated we are working on the premise of Part 97 of the FCC Rules and Regulations and also with the conviction that members ask not what this club can do for you but what you can do for the club. Roger stated we can do much for the community and society, where other clubs are looking not to do that. He stated schools need volunteers to teach students, some schools already having set-ups in place, adult centers need the diversion of Amateur Radio, youth needs our guidance, and Boy Scouts need us as teachers to help them earn a Merit Badge in Amateur Radio.

A constitution and by-laws committee will be set up at the next meeting.

Jack, W4AZO, stated that it is ideal to have an open repeater so all amateurs can use it. This privilege should be assured for all, he stated. Many helpful suggestions were made, and much discussion to be carried over to next meeting.

The Charter members are all 100% ARRL Members.

The next meeting of the Tri-County Amateur Radio club is April 1st., Tuesday, at Cloverleaf Lanes, Miami. All are welcome. See you then.

### ST. PETERSBURG AMATEUR RADIO CLUB
**By Cathy Soehl, W4BAV/ARNS**

WB4PBF-Jack gave an interesting slide show, at the Club, taken when he was in Africa. Thanks, Jack.

K5IHH-Bob suffering some pain one night, had K4ZSC-Romon take him to hospital, where he spent 3 days. Nothing serious and you just can't keep a good man down. Take it easy, Bob, no repeats.

K4RNG-Les, after a long silence, checked into the Net; said it was 19° in Clermont. Brr-r-r!

K4SCL-Woody enjoying and learning a lot at the computer class he is attending.

K4EPH-Mac's lawyer Sister is visiting him. Better be good, Mac.

WD4KGY-Oliver and Betty enjoyed a slide show on China, at the Bayfront.

K4RBJ-Dave had WA4WOU-Faith running all over the house, on her birthday, following notes to the final place for her gift — an ICOM 4AT 440 rig. Congratulations, Faith.

KA4CRS-Betty was delighted to get her repaired radio back; hope it works O.K. now, Betty.

K4KE-Dave gave us all the good news that WB4ZPU-Alice was home from the hospital, still having some pain in her back but resting and we hope it will clear up. Good luck, Alice, take it easy.

AA4GJ-Bill McNabb running a radio amateur class. Good luck, hope you get lots interested.

W4GAC is a well equipped station; members interested in operating it contact W4GPL-Rex, Station Sponsor or his assistant WB4LXH-Ken. Let's get the Club station on the air more.

### SEV-ARC
**By Frank Britto, N4EDH**

The February meeting featured our club chairman Ed, N4LII, who took "Florida Skip" apart in order to show everyone the vast amount of information it holds for you, the reader.

If you are not receiving Florida Skip, but would like to have it sent to your home every month, get in touch with the club secretary for he has all the forms you will need.

Charlie, KC4VK, was missed on the local Two meter net of late, because of rig trouble, but thanks to a fast repair, he's back with the group again. Hi.

At the February meeting of the Daytona Beach-Ponce Inlet Lions club, district 35-0, Ed, WB4WWP (non SEVARC member), and Frank, N4EDH set up an introduction to Amateur Radio, display followed by a talk on "What Is Amateur RAdio — What Can It Do For You," plus "Let's Send a Radiogram," a Q and A followed. Guests came in from Palm Coast and far west as California.

The brand new F.C.C. 610 forms are here, if you have the need of one — see the club secretary.

### CLOVER LEAF ARC — WD4IIO
**By Regis Kramer, W4ILE**

Clover Leaf OM's and XYL's will be "hamming" it up March 26 when they get together for a Club Picnic at McKethan Lake in nearby Withlacoochee State Forest. For many this will be the last "social" of the season . . . since the "snow-birds" will be homeward bound.

A "Special Events" station was set up February 22nd at the Hernando Heritage Museum in Brooksville. Operation was primarily on 20 meter phone and CW. Certificates are currently being mailed out to stations QSO'ed. It was the 143rd anniversary of the founding of Brooksville.

Five teams of 2 operators each put WD4IIO on the air the full 48 hours of the February 15 and 16 CW DX contest weekend. For most it was their first contest operation. Although we didn't set the "world on fire" . . . we did have fun! Picked up a few new countries toward our DXCC plus Alaska and Hawaii on 80 to get over a big hurdle for 5B-WAS.

The next Clover Leaf Volunteer Exam is scheduled for June 15 at Pasco-Hernando Community College. Upgrades continue here at CLARC. Going from C to A was Jack Gibson, KB4JNB . . . still on the upgrade trail are N4LYT, KB4JNC and K1ADU.

We've acquired our 3rd "warehouse" for our club sponsored flea markets. The last sale of the "season" was held March 6th. We are already "stocking" up for another!

Traffic from our Clover Leaf residents keeps "pouring" in. Handling the bulk these days is N4LYT, WD4FNX and VE3HVQ . . . mostly via RTTY although packet radio in-out is picking up steadily.

CLARC wishes you all a Happy and Blessed Eastertime.

### HERNANDO CO. AMATEUR RADIO ASSN.
**By Al Lautenslager, KA4WO**

The Hernando Amateur Radio Assn. held its 4th successful annual hamfest March 1st at the Hernando Co. Fairgrounds. Attendance was up as well as the sales. Eight commercial vendors were in attendance. Plans are already under way for the 1987 hamfest. The main foor prize, an Icom ZAT, was won by R. Dillman, W1DDY of Spring Hill. Other prizes were awarded hourly by some of the vendors.

Pat Brayton, WB4EXA, the hamfest chairman wishes to thank all those who helped in the preparation for the hamfest and those who did such a good job preparing and dispensing the food and refreshments. The list is long and I hope I don't slight anyone.

Bud, N4GEL; Gail, KA3JCL; Mac, KB4ODM; Cliff, VE4ANN; Henry, W2EQO; Lee, WA3YMY; Denny, KB4GEO; Ken, KA8VLW; Richard, KA4MCM.

The refreshment staff was Judy, WB4BFB; Donna, KB4ODO; Millie, XYL of KA4WLO; Marge, KB4JWF; Rotha, WB3FUJ; Diana, KB4OCJ and last but not least Bob, KA1ADU.

The repeater has been performing well and we hope to keep it that way. It was decided at the last meeting to shut it down whenever the weather was a threat to the equipment. We hope this doesn't happen often and cause any inconvenience to those of you who depend on this repeater. I'm sure you know the wiseness of this decision. A shutdown of a couple of hours is certainly better than a wait of weeks to months!

This reporter is heading to see the grandchildren, so you will probably have a substitute reporter next month. 73.


DADE RADIO CLUB
P.O. Box 350045
Riverside Station
Miami, FL 33135

1st & 3rd
Tuesday

Museum of Science
[8280 S. Miami Ave. Miami, FL 33129]
Sponsor of
TROPICAL HAMBOREE



See directory for details

FLORIDA

W4AB

BROWARD
AMATEUR
RADIO
CLUB

Ft. Lauderdale

146.31-91 & 449.825-444-825

**Broward amateurs presented Mike GW4VLU (2nd from left) with a ARRL certificate of Merit. Mike was on his first USA visit. Also in Photo L to R:W4ROA, GW4VLU, AA4EE and KA4THS. Front: W4MAQ. (photo by K4IXQ)**

### SILVER SPRINGS RADIO CLUB - OCALA
**By Troy Jacobs, KD4US, Club PR**

Silver Springs Radio Club meets the 3rd Monday of each month at 7:30 P.M. at St. Patrick's Episcopal fellowship hall, 3803 N.E. 7th St., Ocala, Fla. Club Officers for 1986 are - Mansel Giffin, WD4RIQ, President; Adis Henry, W4PFJ, Vice-President; Art Lyon, KC4OM, Sec.-Treas.

All radio amateurs, whether club members or not, are welcomed.

At Monday's meeting, 2-17-86 the Florida Skip Trophy for highest points, 9274, for Field Day was presented. Club members were proud to receive this beautiful trophy. We plan to win it again next year also.

Plaque from Ocala Jaycees was presented to SSRC in recognition of "Outstanding Achievement by an Organized Group of Volunteers," i.e., communications for Christmas Parade, Walk-a-thons, Bike-a-thons, Hurricanes and also member of Marion County emergency preparedness.

About 50 members of SSRC have taken the necessary training for a new assist program for the Marion County Sheriffs Department, known as (ARM) "Amateur Radio Mobilewatch."

### FLORIDORA YLS
**By Cathy Soehl, W4BAV/ARNS**

W4BWR-Ruth good to hear you on the Net and know you are back in Florida. Sorry you could not get reservations for Orlando.

KB4KJO-Ruth and OM, K4AZ traveled thru Amazon territory in Jan. taking in sights of Halley's comet; going to Australia for some more sights of the comet.

W4EHN-Betty a Great Grandma; upset when little Douglas born prematurely, 4 lb. 9 oz., in Neonatal Center. O.K. home now.

K4RNS-Marge moved to Fla. Christian Health Center, 1827 Stockton St., Jax. 32205; has phone same number (904) 384-2507.

KA4OWJ-Elaine upset over accident that took life of Braille teacher and friend-Bob Nagel. Our sympathy, Elaine.

KJ4MW-Myra enjoyed local Dog Show. Has 13-year dachshund; looking for another small dog. Teaching CRP for first time.

KA4BBB-Marie's Son-Michael visiting; was ordained a priest in Italy last Summer. Marie busy taking care of Mother and elderly.

KA4MEW-Winona fell hurting her right knee and wrists, no breaks, sprains and pulled muscles; on walker and cane now recuperating.

WB4ZPU-Alice in Ed White Hospital tests for back trouble.

WB4AUR-Thelma flew to Miami Hamboree, arrive 9 A.M., back 6 P.M. quick trip but enjoyed seeing many old friends.

Welcome to our new members: N4NAT-Sharron Semor; KA4PBU-Barbara Mischung and KB4PNH-Susanne Albert. Good luck on your upgrading.

Have you paid your 1986 dues?

### BROWARD AMATEUR RADIO CLUB
**By Roseann Terrill, KB4MSV**

Hello everyone, well spring is almost here and things in the club at B.A.R.C. are just hopping.

We have a new East site now, thanks again to Jim, WB4KOB and Brian, WB4MMP. Jim and Brian were commended by the Executive Board and Directors, for their excellent work on our repeaters.

One of our members, Kathy Lewis, WD4PQM just came out of the hospital after surgery. Hope you're up and around soon Kathy.

The Basket of Hope" is back in the swing again. Phyllis Waszak is chairing this position, Phyllis requests that you bring non-perishables or canned goods to the meetings, so we can have another successful year.

Al Blake, N4ILG is "Field Day" chairman and has big plans for our club.

Jim Lorah, WB4KOB volunteered for our "Hamfest" chairman again this year. He has a good site in mind, but he requests one thing. YOUR HELP! Keep up the good work, Jim.

Pat Healy, WA4VWJ is B.A.R.C. Handi-Ham Liaison. This is where handicapped or disabled people interested in becoming a ham can call and get the right training. Pat, our hearts go out to you.

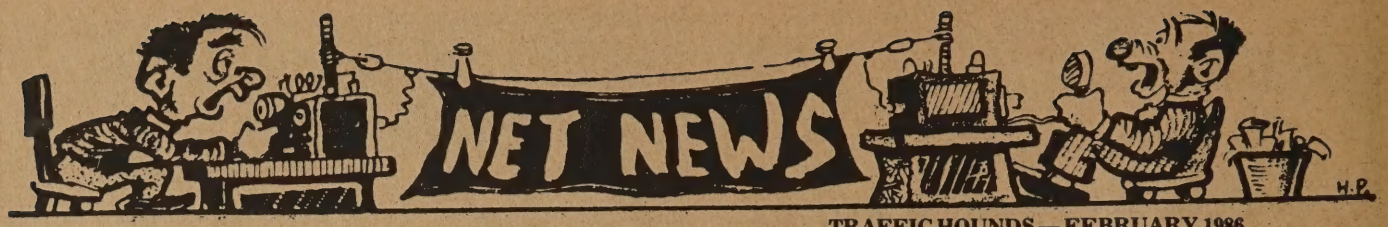
I hope everyone had a happy Easter and a joyous Passover.

So until next month.

### TAMPA AMATEUR RADIO CLUB
**By Delbert, WD4HHH**

OK. The good news this month is that Frank, WA4JWW, is in fine shape following minor surgery. Sorry to hear of your discomfort, Frank, but understand all is ok. Probably better than before. Well, the Florida State Fair is over and the club has settled down to a slower pace. Last count by Frank, K4EUK, Chief Operator, was that 3,177 messages were

QSY to pg. 18




## QFN

**3651 KHZ Twice Daily at 7:00 and 10:00 P.M.**
**By "Cotton," KB9LT**

By the time you read this the Orlando Hamfest will be history. Yours truly was off the air the first part of February due to a gust of wind taking my tower down and of course my 80 meter dipole along with it.

I would like to encourage the NCS to get their daily net reports to me as soon as possible, as it makes this job much more difficult when I get ten or twelve reports on the last of the month and a few not at all. If I don't receive the reports then all I know to do is average the ones I have and use that figure for the missing ones, ahd this does not represent an accurate figure.

Stations with 20+ QNI are WC4D 53, W4DL and WA4PFK 48, WA4EIC and W4KIX 41, WX4H, W3QQ, WF4Y 40, KF4U 37, KB9LT 36, K4IA, KA4FZI 35, K4ZK 34, WB4GHU 32, KY0T 29, W4NFK 28, N4KFU 26, NV4Y 25, N4DY 23, AA4BN, K4SCL 22, KI4PB 21, AA4HT 20.

## FLORIDA MEDIUM SPEED NET

**3651 KHZ** **By AA4HT** **5:30 P.M. Daily**

Traffic and check-ins were up in February. Total QTC for February was up to 151 with an average of 5.4 per session. Total check-ins were up to 384 with an average of 13.7 per session.

Certainly was nice to hear Jim, KA4AMC and Jim WD4MLQ checking into the net again in February. In fact, Jim,WD4MLQ, along with OB, WC4D had 100% check-in for the month.

Cotton, KB9LT, lost his antennaes to a storm during the month of February. He considered himself lucky though, as nearby residents suffered severe damage to their homes. Cotton was able to get a replacement antenna up in a few days.

Thanks to Jim, AA4BN, Cotton, KB9LT, and OC, WC4D for filling in as NCS on short notice. On occasion the scheduled NCS can't make it and it is nice to know other stations are ready, willing, and able to jump in and take over.

Top ten check-ins for February were: WD4MLQ 28, WC4D 28, KA4NXF 26, AA4BN 23, W4ESH 23, AA4HT 21, N4IWO 19, W4NBP 18, KA4SIH 18, WB4WYG 18.

NCS for February: KB9LT 5, AA4HT 5, WB4YQP 4, NY4E 4, N4KFU 3, WB4WYG 3, WA4QXT 2, AA4BN 1, WC4D 1.

QFN Reps: AA4BN 10, WC4D 6, KB9LT 3, N4KB 2, N4KFU 2, AA4HT 1.

TPTN Reps: WB4WYG 5, AA4FG 4, KA4AMC 1, WA4QXT 1.

The net is still looking for stations to check-in from the Tampa, Lakeland, Miami and Gainesville areas. Please join us on FMSN when you can.

## TRAFFIC HOUNDS — FEBRUARY 1986

**By K4ZK**

| NET | QNI | AVG. | QTC | AVG. | SESSIONS | MANAGER |
|---|---|---|---|---|---|---|
| QFN | 1051 | 18.8 | 824 | 14.7 | 56 | KB9LT |
| FMTN | 752 | 26.9 | 776 | 27.7 | 28 | WB4RDL |
| TPTN | 867 | 31.0 | 564 | 20.1 | 28 | KF4JA |
| GN | 332 | 11.8 | 444 | 15.8 | 28 | WX4H |
| FAST | 544 | 9.7 | 286 | 5.1 | 56 | WD4HHH |
| FPTN | 1255 | 44.8 | 284 | 10.1 | 28 | WB4WYG |
| SWFTN | 1184 | 49.3 | 242 | 10.1 | 24 | KF4JA |
| QFNS | 275 | 9.8 | 229 | 8.2 | 28 | KA4FZI |
| SEFTN | 479 | 17.1 | 195 | 7.0 | 28 | KF4RL |
| SVTN | 656 | 23.4 | 178 | 6.4 | 28 | KB4LB |
| FMSN | 384 | 13.7 | 151 | 5.4 | 28 | AA4HT |
| FPON | 585 | 20.9 | 82 | 2.9 | 28 | W4NFI |
| LSTTN | 1372 | 49.0 | 82 | 2.9 | 28 | NQ4P |
| CFRN | 51 | 2.0 | 53 | 2.0 | 26 | KF4TM |
| VEN | 336 | 12.0 | 43 | 1.5 | 28 | W4LDY |
| PBTN | 262 | 14.5 | 36 | 2.0 | 18 | K4FHW |
| SPARC | 640 | 23.1 | 34 | 1.2 | 28 | K5IHH |
| PEN | 260 | 10.8 | 31 | 1.3 | 24 | W4GPL |
| ENMC | 59 | 14.7 | 7 | 1.7 | 4 | K4ZK |
| PRVAN | 18 | 4.5 | 7 | 1.7 | 4 | WD4KBW |
| DEN | 110 | 27.5 | 4 | 1.0 | 4 | N4KWB |

## TOP TWENTY TRAFFICERS

**By WA4PFK & WF4X**

| | | | |
|---|---|---|---|
| 1. W4DUG | 6450 | 11. K4SCL | 519 |
| 2. W3CUL | 5229 | 12. K4EUK | 483 |
| 3. W3VR | 2348 | 13. WA4PFK | 454 |
| 4. N4PL | 860 | 14. KB9LT | 306 |
| 5. WD4IIO | 804 | 15. K4ZK | 300 |
| 6. W4NFK | 697 | 16. WA4EIC | 279 |
| 7. WD4KBW | 665 | 17. KC4VK | 272 |
| 8. WB4ADL | 628 | 18. WB4WYG | 272 |
| 9. WX4H | 623 | 19. KF4JA | 271 |
| 10. WF4X | 593 | 20. WD4IUI | 208 |

## SOUTHWEST FLORIDA TRAFFIC NET

**146.88/28 MHZ Monday thru Saturday, 1600 Hours Local Time**
**KF4JA - Net Manager** **WK4F - Asst. Net Manager**
**By Elsie Horton**

In February we had 1184 checkins for an average of 49.3 per session and a traffic count of 242 for an average of 10.1 per session. Our traffic count was lower than last year because we did not have a message center at the Southwest Florida Fair. We will have a message center at Lehigh Acres Spring Festival March 16th through March 22nd and hope to handle many messages.

We had a traffic handlers luncheon at the City of Palms Hamfest on March 1, 1986. Vice Director Evelyn Gauzens, W4WYR, SM Dick Hill, WA4PFK, and STM Bill Jochimsen, KZ4K, attended and led a lively discussion on Public Service Honor Roll reports.

Serving as NCS during February were: W4MPV, K9ALX, WK4F, and W3IJR (4); WD9AEP and K4FQU (3); KY0T and K4OVC (1).

Liaisons during February were: WD4CHO and WA4EIC (5); KF4JA (4); N4HAS, W1NJM and W4YCL (3); and KV1S (2).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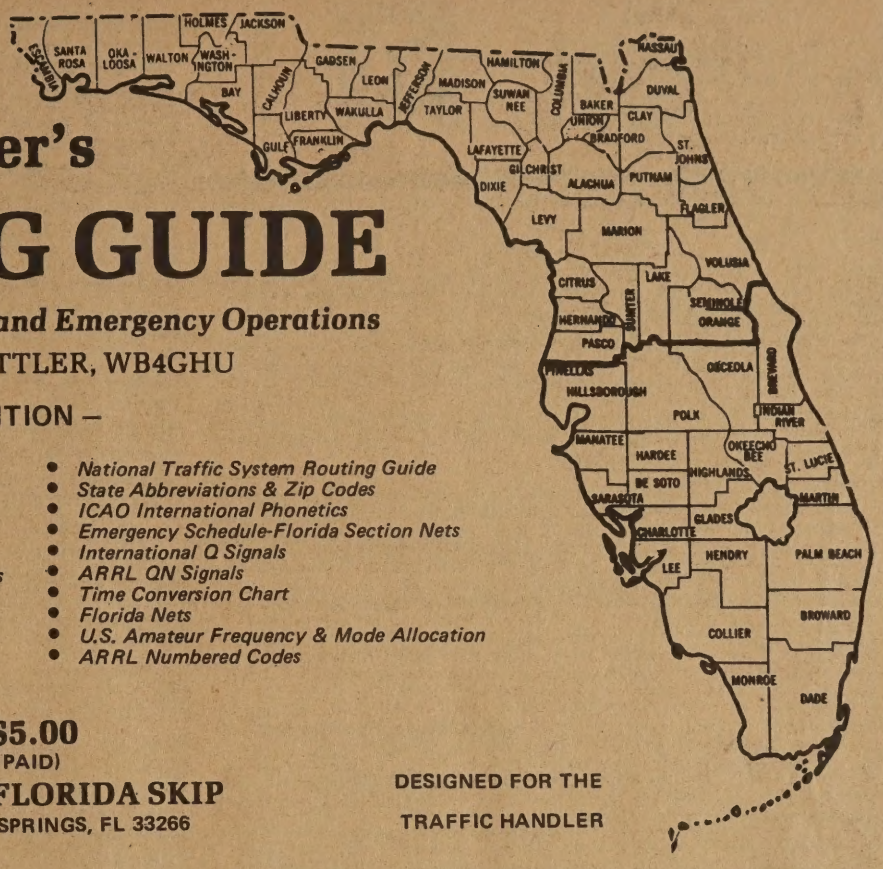
## WINTER TRAFFIC NETS

| EST-UTC | NET NAME | FREQ |
|---|---|---|
| 0700/1200 | Florida Phone Traffic Net (FPTN | 3940 |
| 0830/1330 | Gator Net (GN) | 3651 |
| 1200/1700 | Florida mid-Day Traffic Net (FMTN) | 7247 |
| 1700/2200 | Tropical Phone Traffic Net (TPTN) | 3940 |
| 1730/2230 | Florida Medium Speed CW Net (FMS) | 3651 |
| 1800/2300 | Florida Amateur Sideband Traffic Net (FAST/E) | 3940 |
| 1830/2330 | Northern Florida Phone Net (NFPN) | 3950 |
| 1900/0000 | QFN The All Florida CW Net (Early Session) | 3651 |
| 2000/0100 | QFN - Slow Speed Net (QFNS) | 3715 |
| 2200/0200 | QFN - The All Florida CW Net (Late Session) | 3651 |
| 2230/0230 | Florida Amateur Sideband Traffic Net (FAST/L) | 3940 |
| 0800/1300 Sat. | ARRL Information Net | 3940 |

(CLIP AND SAVE.)

# Florida Traffic Handler's ROUTING GUIDE




*A Manual for Your Traffic and Emergency Operations*

EDITED BY RON METTLER, WB4GHU

– 6th EDITION –

*CONTAINS:*

- *Table of Contents*
- *Florida City Abbreviations*
- *Cross-Reference of City/County*
- *Amateur Message Form*
- *U.S./Canadian Third Party Traffic Agreements*
- *Northern Florida Counties & Seats*
- *Southern Florida Counties & Seats*
- *Toll-Free Telephone Relay*
- *ARRL Precedences & Handling Instructions*
- *National Traffic System Routing Guide*
- *State Abbreviations & Zip Codes*
- *ICAO International Phonetics*
- *Emergency Schedule-Florida Section Nets*
- *International Q Signals*
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- *Time Conversion Chart*
- *Florida Nets*
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DESIGNED FOR THE TRAFFIC HANDLER

### FMTN
**By George**

I wish to acknowledge and say that I appreciate the Honor and Confidence the FMTN members have shown me in naming ne Net Manager for another year. I feel that net should elect a New Manager and Assistant Manager annually. The other officers should be appointive by the Manager with held and advice of Assistant Net Manager. The Net needs more volunteers to act as liaison to other nets. We also need people who would like to try their hand out as net control. Summertime is coming soon. There will be ample chance for new NCS stations to try their hand at NCS. Would appreciate anyone desiring to become a NCS station to get in touch with Clyde Lee N4PL or this station WB4ADL and let us know of that desire.

Note: Checkins Feb. 1985 876 Messages 978 time frame 1245 Min.
Checkins Feb. 1986 752 Messages 776 time frame 1089 Min.

Seems to me we are not doing quite as well as last year. So be it.

The ARRL Public Service Branch has requested all members to fill in Questionnaire page 92 March QST returning same to HQ by the 15th of April. Interesting question 16 and 17. If 16 yes how often per month do you check into a net? Decided to check against my Feb. log. I was surprised at the figure I came up with. Would you believe over 200 times in 28 days. I could hardly believe figures, so double checked and that is true. Just amazing.

### QFNS
**By KA4FZI, Mgr.**

8 P.M. 3715 KHZ

I'm always looking for ways to let QFNS members know what a great job they are doing. I'd heard that statistics could be manipulated to prove anything, so I tried it. Dividing total QTC by total QNI gave the average number of QTC/QNI. Using last month's list, this maneuver made GN the No. 1 net with .81 (you're welcome) and QFNS a close second with .79. Others of the top 7 ranged from .63 to .1. We were not the top net but I did prove that we work hard! Hi.

Our major success is probably best measured by the traffic handlers who used QFNS as the gateway to traffic handling. We are still on the job every evening and urge you to let newcomers know. Display our flyer on club bulletin boards. If you send me names and addresses of novice class teachers, I'll send them a flyer and copy of simplified CW traffic handling information sheets.

The QNI-10+ stations this month are: KA4AMC Jim, 11; WC4D O.B., 23; KA4FZI Phil, 24; WB4GHU Ron, 11; AA4HT Rip, 10; N4JCQ Alan, 11; KB4LKT Joe, 16; KB4MHH Todd, 15; WD4MLQ Jim, 20; N4MML Alma, 21; WA4PFK Dick, 25; KA4SIH Willard, 18.

QFNS FOCUS:

Our QFNS focus this month was first licensed in 1921 as 1CGP in Mass. and went through W3MRP, K0HJI, W4LJA, and KC4HZ before upgrading to extra in 1982 and getting his/her current call. S/He has been active on FMSN and QFN for over two years and on QFNS over a year — the last 8 months as Friday night QFN rep. Other areas of interest include rag chewing and RACES. An active member of QCWA-OOTC, where s/he is NCS on its CW net, Gulf Coast ARC, and ARES/RACES, our focus was first on the air with a Ford Spark Coil transmitter and learned code by listening to navy operators. S/He retired in 1969 from Martin-Marietta Corp. in Denver, has been maried 59 years, has 2 daughters, 7 grandchildren, 4 great-grandchildren, and still finds energy to play goft 3 times a week. We appreciate his/her faithful support and help on QFNS!

QFNS FRONT-LINE LEADERSHIP

| | Sun. | Mon. | Tue. | Wed. | Thu. | Fri. | Sat. |
|---|---|---|---|---|---|---|---|
| NCS | WA4QXT | AA4HT | KA4FZI | KB9LT | WA4PFK | N4MML | WD4KBW |
| REP | KA4SIH | WB4GHU | WA4PFK | AA4HT | KA4FZI | WC4D | KB9LT |

For complete February roster send SASE to Phil West KA4FZI, 1410 Shelby Pkwy., Cape Coral, FL 33904. (Answer to QFNS focus: O.G. Boardman, WC4D, in Holiday.)

### TROPICAL PHONE TRAFFIC NET
**3940 KHZ Daily at 1700 Hours Local Time**
**By Elsie Horton, KF4JA, Net Manager**

We had 867 checkins and a traffic count of 564 for February.

The Miami Hamboree was very nice, and I enjoyed meeting several TPTN members there. I'm sorry to report that John, W4GUJ, has asked to be dropped from the roster for the presnt. He promised to come back later when conditions permit.

We have another new member. Welcome to Lee, KB4FBX, from Tampa. We are hoping that Lee will help with NCS duties. Our thanks to Bill, WB4WYG, for checking in to TPTN and helping out as a rep to FMSN five times. Other non-roster checkins who helped as reps were WF4Y, NZ4O, and N4KFU.

Net control stations for February were: W4TAH (8), WD4KBW (7), KF4YE (4), N4JOA (4), W4SME (4), and WA4QXT (1).

SErving as Liaison Stations were: WB4ADL, KA4AMC, WD4EQB, W4ESH, K4EUK, KB4FBX, KB4FIY, WX4H, WD4IUI, KF4JA, N4JAQ, N4JOA, W4NFK, KA4NXF, WA4PFK, K4QLM, WA4QXT, W1UKR, and WF4X.

Stations with 20 or more checkins during February were: KD4KK and WD4MLQ (28); WB4ADL, W4BCZ, WD4IUI, KF4JA, KA4NXF and W4TAH (27); W4BKC and KC4VK (26); N4IPY and WB4WMR (25); W4SME (23); K4FQM (22), KA4AMC, WD4EQB, WD4KBW and KA4SIH (20).

We hope to have lots of traffic for Easter. See you on the net.

### GATOR NET
**By Mort, WX4H**

February traffic count was up by 16% and a rather dismal January has passed into the file of the past and forgotten. Members of the net really pitched in the way members of a net should do and you all brought quite a heavy load of QTC daily. This kind of activity sure helps the ratings and interest to new stations that are beginning to check into Gator Net.

For those who like to see where they stand concerning the check ins for February can look at this. W3CUL 28, WA4EYU 27, K4JI and KF4U 26, WA4JDH 24, KB9LT and W4IYT 23, WX4H and KY4U 22, N2AOX 20, N4ET 19, and W3QQ 15. Those with ten or less include W8IM, WA4PFK, WD4IIO, WF4X, N4KFU, K4ZK, KY0T, WF4Y, N4DY, W4BVE, KA4NXF, N4JOA, W4CD, AA4BN and K4ZN.

You know we had 30 different stations check into GN during February. We are attracting more people and some QFN members are guesting with us. Nice way to start the day so no matter what your trffic handling ability is or what speed you are comfortable with our NCS people are the greatest and each will encourage and work with you. Please join in with or without traffic; we like to hear you often!

Our man of fame is Mr. KF4U or Walter Grove to regular people, Hi. He also has a long histroy of radio activity which goes way back to the unheard of present day calls. He started with 2BZJ, wow! Interesting thing is he had so called home brew equipment not like the automatics of today. Walt had numerous call changes but he was one of my guys in WW2 'cause he was Navy. In 1964 Walt got his extra class license and had the following calls getting there. Starting with 2BZJ, 1AGG, W2BZC, W2FK, K4IK, W3JJ and finally K4FU. Manager of GN for 3 years and 10 months. Nice record Walt. Stay well and you are a force when it comes to Gator Net. We have more like Walt, but it's hard to get the info from the members. Glad WF4X is checking in once in a while and we are missing Cy, W4DVO. A new station checked in from Cocoa, WD8PNL, Ron. We need new faces and calls so thanks Ron, do it more often.

Sorry that I can't get to those hamfests in the middle of the state but it is an all day drive for me up here in the pan-handle and unless I leave on Friday I'd miss most of the meeting. Fill me in fellows. Ron of WB4GHU has been very helpful in this matter so I miss people but I do get the news.

See you all on GN in the AM.

QSY to pg. 18

# DIRECTORY

List your club, net or group here for only $18 a year. Limit 3 lines only. Add $2 for each additional line, and $2 for any changes made to present listing. Submit clearly to FLA. SKIP, Editor, Box 501, Miami Springs, FL 33266.

FLORIDA SKIP

AMERICAN RADIO CLUB. WD4MXF/R 146.13/73 Bilingual RPTR. Club meets 1st Wed. ea. month. HF tfc 14290 Tue. & Thur. 9 to 10 P.M. Mail: P.O. Box 3576, Hialeah, FL 33013.

AREC REPEATER GROUP, Inc. WA4ARE/R 07/67 R. Brunner, Treas., 4072 Sussex Ave., Lake Worth, FL 33461. Breakfast 9 A.M. Sunday at Clock Restaurant, N. Dixie, Lake Worth. All amateurs welcome!!!

BRANDON AMATEUR RADIO SOCIETY, WB4BIM. Meets 3rd Thurs., Apostles Lutheran Church. Nets Mon. 8 P.M. on 147.165 Wed. 8 P.M. Novice CW 21.165 9 P.M. phone 28,765. Mail: P.O. Box 542, Valrico, FL 33594.

BROWARD AMATEUR RADIO CLUB, Inc. W4AB. W4AB/R 31/91. Meets 2nd Fri. 7:45 P.M., Red Cross Bldg., Ft. Lauderdale. Mail: Jan Lorah WB4KOC, 2407 Flamingo Ln., Ft. Lauderdale, FL 33312.

**CLEARWATER AMATEUR RADIO SOCIETY, W4DPH 146.37/97 WB4VZY 224.34/94. Meets 2nd Thurs ea month 730PM, Red Cross Bldg. 624 Court St., Clearwater. Net ea Wed 8PM 146.97. Mail POBox 7388 Clearwater 33518**

CYPRESS CHAPTER of Ten-Ten International. Meets Wed. 8 P.M. on 28,665. Covers E.-Central FL K4TSY Chapter Head. For certificate work 5 holders, send along info & $1. to Bob Lucas K4HTU, RD 3 Box 2630, St. Cloud, FL 32769.

DADE RADIO CLUB, Inc. W4NVU. Meets 1st Tues., Museum of Science, 8 P.M., 3280 S. Miami Ave., Miami. Mail: P.O. Box 350045, Riverside Station, Miami, FL 33135.

DAYTONA BEACH AMATEUR RADIO ASSN. K4BV & K4BV/R 147.15. The Friendliest Rptr in FLA! Meetings 3rd Mon., ARC Daytona, 341 White St., 8 P.M.. C'mon & bring friends. Mail: P.O. Box 9852, Daytona Bch. 32020.

EVERGLADES AMATEUR RADIO CLUB. W4SVI/R 146.235/835. We meet 2nd Fri. ea. month 8 P.M., Dade Co. Agricultural Bldg. 18710 S.W. 288 St., Biscayne Dr. at Redland Rd., Homestead 33030.

**FELLOWSHIP AMATEUR RADIO CLUB, Inc Meets 4th Thurs at Ingallas park Rec. park Ctr, 735 SW 1st St. Hallandale 730PM KB4AFG/R 147.81/21 & N4GZO/R 147.975/375. Mail: Box 680284, No. Miami, FL 33168.**

FLORIDA AMATEUR DIGITAL COMMUNICATIONS ASSOCIATION (FADCA) State-wide packet radio organization. 812 Childers Logo, Bradon, FL 33511. (813) 689-3355. Net every Sunday, 8 A.M., 3958 kHz.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL, INC., P.O. Box 157, Clearwater, FL 33517.

FLORIDORA YL'S, W4FE. Pres. KA4MEW, Vice Pres. WA4EDL, Sectry WB4AUR & Pres. W4WPD. Nets: Tues. 9 A.M. 3933 and Mon. 9:30 A.M. 7285 kHz. All YLs and XYLs welcome to join us.

FORT PIERCE AMATEUR RADIO CLUB meets informally every Tuesday, 7:30 P.M., Room W-109, Indian River Community College, Virginia Ave., Ft. Pierce, Byrd Ford KA4GNX, Sec. Box 5, 33454.

GOLD COAST AMATEUR RADIO ASSO., INC., Box 505, Pomp. Bch., FL 33061-0505. Emerg Net Thurs. 7:30 P.M. W4BUG/R 146.22/82. Traders Net 8 P.M. WB4UFA/R 146.01/61. UHF rptr WB4RZS 447.2/442.2. Club meets 4th Mon. 7:30 P.M. Imperial Pt. Hosp., 6401 N. Fed. Hwy., Ft. Laud. Talk-in 61.

THE GOLDCOASTERS, Meets 2nd Mon. ea. mo. Pals Captain's Table, Deerfield Bch., 11:30 A.M. Additional meetings 4th Mon. during Jan. thru Mar. Open membership. Write: P.O. Box 2778, Boca Raton, FL 33432 Phone 421-6704. Net daily 14346, AT 9:15 A.M.

GREATER TITUSVILLE AMATEUR RADIO CLUB. Meets 3rd Mon. 7:30 P.M. ea. month at Titusville Chamber of Commerce Blvd. Mail: c/o W.R. Young, K4DQT, 3845 Catalina St., Titusville 32780. Rptr. 146.31/146.91 for other details.

GULF COAST AMATEUR RADIO CLUB. P.O. Box 595, New Port Richey, FL 33552. Meets 4th Mon. each month 7:30 P.M. at Colonial Hills Civic Assn., 87 Peacock Dr., NPR 146070/670 WA4GDN. All are welcome.

**HILLSBOROUGH AMATEUR RADIO SOCIETY, Inc. WA4GJJ meets 4th Thursday 7:30PM Forest Hills Recreational Center, 724 - 109th Ave. North. Mail: Box 24602, Tampa, FL 33623 Info 884-7917.**

HOLLYWOOD AMATEUR RADIO CLUB, Inc. WB4TON/R .389/.985. Meets 3rd Mon. 8:00 P.M. Rm. 238, So. Satellite Court House, 3550 Hollywood Blvd. Mail: P.O. Box 6306, Hollywood, FL 33021.

**INDIAN RIVER AMATEUR RADIO CLUB, W4NLX meets 4th Fri. each month at Grace Methodist Church, 65 Needles Blvd., Merritt Is. 730PM. Mail: P. O. Box 5, Cocoa, FL 32923-0005.**

INTRACOASTAL AMATEUR RADIO ASSN. 145.410 MHz, KA4SEJ/R. Dinner meeting last Wed. of month. Info: on air or KA4LAV, Stu 925-5321 days, Hollywood, FL

**TRI- COUNTY AMATEUR RADIO SOCIETY meets the 1st Tues, Cloverleaf Bowling Lanes, Miami, 730PM. Mail c/o Zelma Shaw, 191 SW 78 Ter. Margate, FL 33068 Interim Sec. All amateurs WELCOME ! !**

KEY WEST AMATEUR RADIO CLUB. W4LLO/R 146.34/94. Meets 3rd Mon. 2000 hours Old Monroe Co. Chapel., Jr. College Rd., Stock Island. Mail: KWARC c/o C.T. Gossard W3YWK, Rt. 2 Box 4028, Summerland Key, FL 33042.

LAKE AMATEUR RADIO ASSN. Inc K4FC. Meets 1st & 3rd Thurs. 8PM Clubhouse, Springdale Ave. Bassville Park. Mail Dan Goings , 29 Azalea Pl. Tavares, FL 32778. All welcome.

MAGIC CITY AMATEUR RADIO SOCIETY. Meets 4th Saturday, 3rd floor, Conference Room, 2 P.M., Joseph Caleb Center, Miami. Details from: John Dillard, WB4WXF, Pres., (305) 633-5433.

MANATEE AMATEUR RADIO CLUB. Meets 1st Tues. 7 P.M. at Bradenton Downtown Library by Pier Restaurant. Info: Call Luther KA4MRQ, 747-8128. All persons welcome.

MARTIN COUNTY AMATEUR RADIO ASSN. K4NTA/R 147.060-600. Meets 4th Wed. 1930 Langford Park Fldhse., Jensen Beach. Mail: P.O. Box 1901, Stuart, FL 33495.

**IRMA, International Mission Radio Association helps missionaries by running a net for them daily except Sunday on 14,280MHz, 2-3 PM EST. Br. Bernard Frey, 1 Pryer Manor Rd., Larchmont, NY 10538**

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meet 2nd Thurs. 7:30 P.M. Ed White Sr. Hi School, RM. 110, 1700 Old Middleburg Rd., Jax. Mail: B. Williams, N4UF, 9110 Rio St. Johns Dr., Jacksonville, FL 32211.

OLD OLD TIMERS CLUB (OOTC) net Sunday 2 P.M. on 7247 kHz. Info: Bob Bookwalter, W4NWF, 728 Valencia Rd., Venice, FL 33595. (813) 485-7928.

PALM BEACH REPEATER ASSN., Inc. 28/88. Meets 1st Tues. each month 7:30 P.M. Palm Beach Civil Defense Bldg., 3723 Belvedere Rd., WPB. All welcome. Membership available. P.O. Box 461, Lake Worth, FL 33460. Jim Schoech WD4LHF, Pres.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. ea. month, Red Cross Bldg., 1150 S. Hickory St., Melbourne. Mail: Box 1004, Melbourne, FL 32901. Rptr. WR4AMJ 146.25/.85.

PLAYGROUND AMATEUR RADIO CLUB, W4ZBB. Meets 1st & 3rd Thur. 7:30 P.M. Clubhouse on 1st St., Ft. Walton Bch. Mail: P.O. Box 873, Ft. Walton Bch., FL 32549. March Swapfest. Rptrs. 146.19/79 & 147.60/00.

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8 P.M., 1st Fr., Red Cross Hq., 818 - 4th St.. Mail: P.O. Box 4026, St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

SARASOTA AMATEUR RDIO ASSN. Inc. W4IE. Meets 3rd Tues., 8 P.M., Sarasota Co. Administration Ctr., US 301 & Ringling Blvd., 6th Floor lounge area. Mail: 3182, Sarasota, FL 33578. Join us!!

**SILVER SPRINGS RADIO CLUB, Inc. K4GSO/R 146.01/.61 meets 3rd Mon. at 730PM, St. Pats Episcopal Church, 3803 NE 7th St., Ocala. Net Tues 730P (830PM EDT). Mail: Secretary, P.O.Box 3944, Ocala, FL 32678-3944.**

**SOCIEDAD INTERNACIONAL DE RADIO AFICIONADOS, Inc. (SIRA) WB4ESB & WB4ESB/R 147.90/30. Mail: Box 524071, Miami, FL 33152. Emergency net & bulletins on 3755, 7155, 14155, 21205 & 28555. Info net Tues. 9PM thru repeater. Phone 305 822-1688 Telex 523740.**

SOCIETY OF WIRELESS PIONEERS. Edison Chapter meets Sun. 2 P.M., 7055 kHz. Bill K4TF, CHOP. Info: Bill Willmot K4TF, 1630 Venus St., Merritt Isl., FL 32953. Transcon SOWP Net. Tue. & Thurs. 10 A.M. EST, 14115. Info: Sy, W4IKU, (305) 651-5385.

SOUTH FLORIDA FM ASSN., W4SGQ/R 146.16/76, WD4BVO/R 146.7/147.0 & WD4SFG/R 447.20/444.20. Mail: P.O. Box 4300-25, Miami, FL 33143. Meets 2nd Mon., C.D. Hq., 5600 S.W. 87th Ave. Y'ea Come!!

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 7:30 P.M. at Club House, Davis Isle, Columbia & Barbados. Mail: P.O. Box 10453, Tampa, FL 33679.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW, P.O. Box 6834, Southboro Sta., WPB, FL 33405. Meets 3rd Sun. 9 A.M. VFW Post 4360, Palm Springs, East of Fire-Police Station. Info: 655-5766.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB INC. Meets 4th Thur. ea. mo. 7:30 P.M. at Community Center at Lake on W 54. Mail: P.O. Box 1534 Zephyrhills, FL 34248. Come & bring XYL.

**QCWA ROYAL PALM CHAPTER. Meets 4th Tues. ea. mo. 1130AM at Hospitality House, 2355 9th St., N. (41) Naples. All hams welcome! Info: Geo. Slade, 4617 Lakewood Bl., Naples, FL 33962 774-6143.**

**METROPOLITAN REPEATER ASSN., Inc. N4DKN 147.96/147.36 222.34/223.95 444.30/449.30. Meets 4th Thurs Municipal Bldg, Municipal Dr. Madeira Bch. Mail 3305 - 51st S. N. St. Petersburg, FL 33710.**

QCWA CITRUS CHAPTER. Meets 3rd Saturday each month 11:30 A.M. at Duff's Famous Smorgasbord. Intersection SR 436 & 434 "K" Mart Plaza, Altamonte Springs. Net meets 9 A.M. Saturday 3955 kHz. All Welcomed.

**QCWA EVERGLADES CHAPTER. Meets 2nd Sat. Sept. thru Apr. Mr. Rays Cafeteria, Lakes Mall, 3407 N. State Rd. 7 (441) Lauderdale Lakes. Info see SKIP column or Cy Harris W4MAQ, 11511 NW 33 St. Sunrise 742-2154.**

QCWA CENTRAL FLA. CHAPTER meets 3rd Sat. Noon, Sirloin Steakhouse, 3105 Hwy 98N, Lakeland. Net 10AM Sat. on 7243 kHz. Info: Notra Stoner W4BGF, Secy. 525 W. Beacon Rd., Lakeland, FL 813-682-5390.

QCWA GATEWAY CHAPTER. Meets 3rd Sat. each month, Uncle Johns Pancake House, Beach Blvd. Net 7230 kHz. For info: Robert Cutting W2KGI. 1273 N. Nipigon, Atlantic Beach. FL 32233. Join us.

QCWA GATOR CHAPTER, Tampa Bay area. Meets 1st Sat. Noon at Farmers Buffet, 2456 Gulf-to-Bay Blvd. Rt. 60, Clearwater . Weekly net Sat. 915AM on 3920 kHz. E. Nannis K4JMH, 14996 Imperial Pt. Dr. Largo, FL 33544.

QCWA GULF COAST CHAPTER meets 1st Tue for lunch & informal meeting 11:30AM at different restaurants in New Port Richey area. Call A/C813 Charles, W2LRJ 847-5059; Harold, W2JKB 863-8617; Al, W2EKO 863-3637 for location. Guests & prospective members always welcome ! !

QCWA HIGHLANDS COUNTY (121). meets 1st Thurs. 9AM for breakfast at home of N4XV Jim Jones, 660 Hill Rd., Lake Placid. Pres K4JES, VP N4BIS, Secy. NS4R. Info call Phil W4BCZ 813-465-3359. All Welcome ! !

QCWA PELICAN CHAPTER, St. Petersburg. Meets 3rd Wed. Noon. The PUBLication Restaurant and Lounge, 1190 34th St. N. Net meets Sat. 3930 kHz at 10 A.M. Info: A. Monsees W4BK, 1255 Pasadena Ave. S., South Pasadena, FL 33707. Telephone 381-5411 Ext. 7024. All Welcome.

QCWA SOUTHEAST CHAPTER (No. 12) Meets 3rd Sat. ea. month at Chateau Bleau Restaurant, 1111 Ponce de Leon Blvd, C. G. More info: K4CE 596-6996, W4VZ 274-9709, W4LGP 891-7692. OOTC/SOWF also!

QCWA SPACEPORT CHAPTER meets 2nd Saturday of each month 11:30AM at Gullys Restaurant, Holiday Inn, Cocoa Beach, FL. Old timers welcome! !!

QCWA SUNCOAST CHAPTER. From Tampa So. to Marco. Meet at Davey's Locker, Rm. of Windjammer Rest. 7100 S. Trail U.S. 41, 1st Wed. ea. month. Oct. thru May. Info: H. Osborn 677-1449.

QCWA Suwannee Chapter 62. Lunch/meeting 1130AM Holiday Inn West, Ocala, 4th Sat. even months. Net Sat. 3940 kHz 9AM. Pres Jim Armstrong N4HZR, VP Bob Saulpaugh AG3S, Sec/Treas. Adis Henry W4PFJ.

QCWA TREASURE COAST CHAPTER. Chairman W4TZ & Sec-Treas. K4QM. Lunch 2rd Thurs., Sheraton Regency, No. A1A, Vero Beach. Mail: Box 3088, Vero Beach, FL 32964.

ST. Augustine Amateur Radio Society, W4WSB. 2nd Mon. Memorial Luthern Church. Details: Marilyn Fahner WD8ARS, Pres. North Florida Wide coverage repeater 146.625 MHz-600 or Box 1821 St. Augustine, FL 32085

TAMPA BAY REPEATER ASSN. Meets 2nd Tues. 730PM, Red Cross Bldg. 217 N. Howard Ave. Net every Thurs 730PM on 146.76 rptr. Mail: TBRA P. O. Box 22004, Tampa, FL 33622-2004.

FLORIDA REPEATER COUNCIL, Inc. Coordinators: WA4QQR (1¼M, 33 & 23 CM) 305 752-7781. WB4ILH (10M, 6M 2M & 70CM) 305 471-8384. All calls before 10PM. Mail PO Box 4155, West Palm Beach, FL 33402-4155.

QCWA FLORIDA KEYS CHAPTER (147) meets 1st Thru (Oct thru June) at various homes in the Upper Keys. Call Fred Clark K4ET, 305 852-5359 for information. All Welcome! !

IBM BOCA RATON AMATEUR RADIO CLUB, WB4QNX/R, 144.69/145.29. Emergency Net Thurs 8:30 PM. WA2HFA, Pres. WA4CTC Vice Pres. KD4AO, Treas. N4TL Secretary & KD4B Emergency Coordinator.

HIGHLANDS COUNTY AMATEUR RADIO CLUB Inc., P.O. Box 2149, Lake Placid, FL 33852. Meets 3rd Mon. 8 PM at First Home Federal, 126 W. Center Ave., Sebring. Net Weds 8PM KF4EV/R 147.645/045 info 813 385-5325.

GATOR AMATEUR RADIO CLUB, W4DFU. A University of Florida student organization since 1934. Mail: J-12, Gainesville, FL 32610. Repeater: UF campus, 146.31-91 MHz. GO GATORS!!!!!!!!!

TITUSVILLE AMATEUR RADIO CLUB. Meets 3rd Mon. 730PM at Titusville Champer of Conmerce Bldg. (Real Entrance). Mail: c/o Barry Janetski KA4NIU. 4215 Curtis Blvd., Cocoa, FL 32927.Rptr. 146.31/91 details.

COLLIER COUNTY AMATEUR RADIO CLUB WB4ZEU, meets 3rd Tues. at 730PM, Emanuel Luthern Church, Mooring Line Dr. Naples, FL. Mail: Box 33 ZIP 33939 Phone info: 813-773-2770.

## LOST TRANSMITTER HUNT DEMONSTRATION

**By Walt Dixon, W4DWN**

For some years "The Flamingo Net" in Miami has been running Lost Transmitter Hunts once a month on ten meters.

At the Tropical Hamboree on Sunday, Feb. 9th at 1 p.m. there will be a Mini-Hunt using handheld locators. The Net invites anyone interested in Lost Transmitter locating to participate with the "professionals" to see how it feels to stalk an unwary prey.

So if you have heard about Transmitter Hunts, now is your chance to watch and/or participate in one. It's FUN! Check in on Friday nights 7:30 p.m. on 29.044 Mhz USB if you would like more information on building equipment or times for the Hunts.


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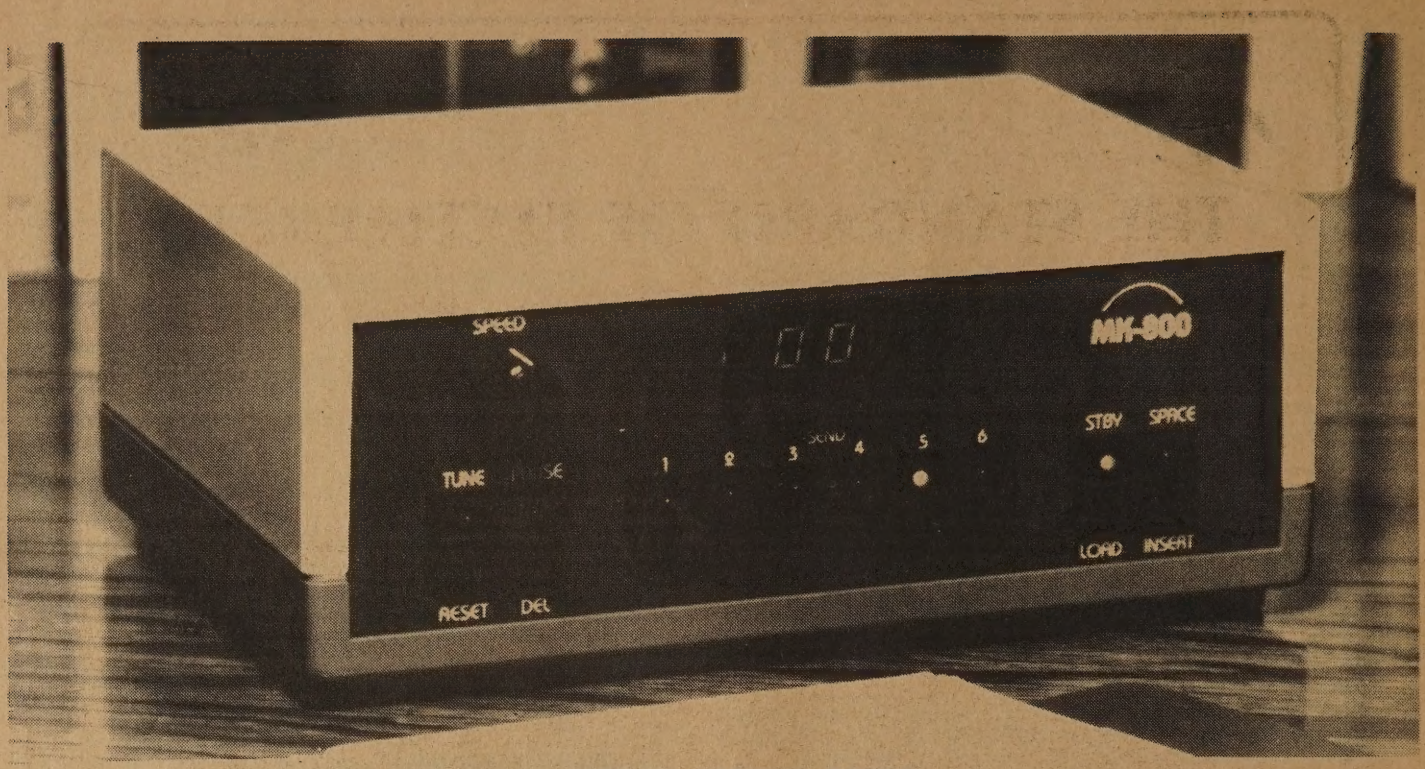


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| | | 12-15 volts DC Optional | 99 Char. Each |

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####### Read the Review in January Issue of 73 Magazine ######

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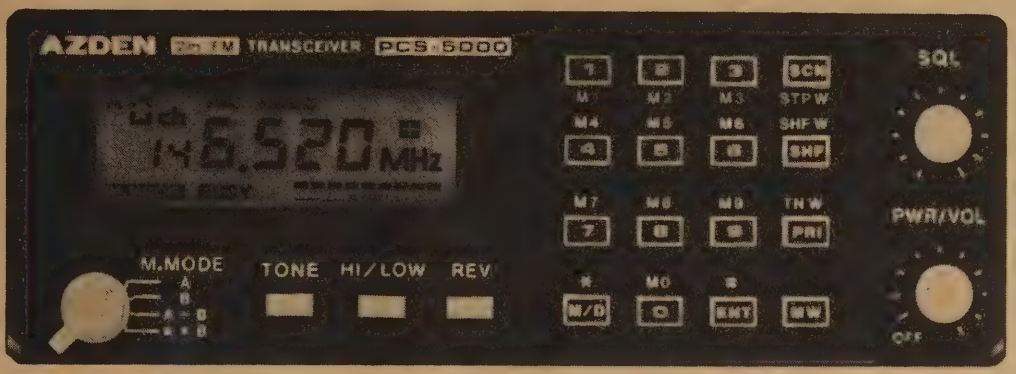
### COMMERCIAL — GRADE

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**CAP/MARS/NAVY MARS, BUILT IN:** The wide frequency range facilitates use of CAP and ALL MARS FREQUENCIES including NAVY MARS. ***COMPARE!***

**TINY SIZE:** Only 2 inches high, 5½ inches wide and 7¼ inches deep!

**MICROCOMPUTER CONTROL:** Gives you the most advanced operating features available.

**UP TO 11 NONSTANDARD SPLITS:** ***COMPARE*** this with other units!

**20 CHANNELS OF MEMORY IN TWO SEPARATE BANKS:** Retains frequency, offset information, PL tone frequency.

**DUAL MEMORY SCAN:** Scan memory banks separately or together. ***ALL*** memory channels are tunable independently. ***COMPARE!***

**MEMORY SCAN LOCKOUT:** Allows you to skip over channels you don't want to scan.

**TWO RANGES OF PROGRAMMABLE BAND SCANNING:** Limits are quickly reset. Scan ranges separately or together with independently selective steps in each range. ***COMPARE!***

**BUSY SCAN AND DELAY SCAN:** Busy scan stops on an occupied channel. Delay scan provides automatic auto-resume.

**DISCRIMINATOR CENTERING (AZDEN EXCLUSIVE PATENT):** Always stops on frequency desired when scanning.

**PRIORITY MEMORY AND ALERT:** Unit constantly monitors one memory channel for signals, alerting you when channel is occupied.

**LITHIUM BATTERY BACKUP:** Memory information can be stored for up to 5 years even if power is removed.

**FREQUENCY REVERSE:** Allows you to listen to repeater input frequency.

**ILLUMINATED KEYBOARD WITH ACQUISITION TONE:** Keys are easily seen in the dark, and actuation is positively verified audibly.

**CRISP, BACKLIGHTED LCD DISPLAY:** Easily read no matter what the lighting conditions!

**DIGITAL S/RF METER:** Shows incoming signal strength and relative transmitter power.

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**FULL 16-KEY TOUCHTONE PAD:** Keyboard functions as autopatch when transmitting.

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**PL TONE GENERATOR BUILT IN:** Instantly program any of the standard PL frequencies into the microcomputer. ***COMPARE!***

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**DADE COUNTY**
**AMATEUR RADIO EXAMINATIONS**
**Dade County Emergency Operations Center**
**5600 Southwest 87th Avenue**
**Miami, Floirda 33165**
EXAMS START AT 9:00 A.M.
**DATES**

Saturday, April 12, 1986
Saturday, May 10, 1986
Saturday, June 14, 1986
Saturday, July 12, 1986
Saturday, August 9, 1986
Saturday, September 13, 1986
Saturday, October 11, 1986
Saturday, November 8, 1986
Saturday, December 13, 1986

(SECOND SATURDAY OF THE MONTH)

Walk-in Examinations on Test Available Basis. FCC Form 610, photocopy of license, positive I.D., $4.25 Check payable to ARRL/VEC needed for Exam.

Mail FCC Forms and Check to:
Bill Miller, N4EFQ
9910 Collins Avenue
Bal Harbour, FL 33154

Call for further information:
Ron Bell, WN4L, 247-2944 after 6 P.M.

PASCO-HERNANDO-CITRUS

The Pasco-Hernando-Citrus Counties VE Council has scheduled Amateur radio license examinations under ARRL/VEC in the tri-county area for January 1986 through May 1986 as follows:

| Date | Sponsor | Contact Person |
|---|---|---|
| Apr. 15 | Spring Hill ARC<br>Hernando County | Paul Sauer K4ZC<br>9353 Chase Street<br>Spring Hill, FL 33526<br>904-683-3167 |
| May 17 | Sky High ARC<br>Citrus County | Phil Partee W4ABI<br>80 Sycamore Circle SMW<br>Homosassa, FL 32646<br>904-382-2675 |

**ST. PETE AREA**

Amateur Radio Class, Thursday evenings 7:00 to 9:00 at Northeast High School, 16th St. and 54th Ave. N., St. Pete. Contact Bill McNabb, AA4GJ, 345-5713.

SPARC sponsored Amateur Radio License Examination, Saturday at the Florida Power Complex, 3201 34th St. S., St. Pete. Use Rear Entrance on 37th St. Contact Bill McNabb, AA4GJ, 345-5713. 9:00 a.m. test time.

**BROWARD COUNTY**

Exams are held each month on the first Saturday at 8:45 A.M. and the third Thursday at 7:15 P.M. at Racal-Milgo, Sunrise Boulevard and 136th Avenue. All exams on walk-in basis. Fee is $2.00. Talk-in on 145.27 down 600. For more information, call Ed Hall, AF3S at 491-2694, Ft. Lauderdale.

**JAX AREA**

NOFARS-CAVEC Volunteer Exams administered 2nd Thursday of each month at 6 P.M., Ed White High School, 1700 Old Middleburg Rd., Jacksonville, FL. For additional info contact W4PTT, CBA, or A/C 904-781-0972.

**NORTHWEST FLORIDA EXAMS — CRESTVIEW**

F.C.C. Exams are given the second Saturday of each month at 9:00 A.M., local time, at the Council of the Ageing Building, 298 S. Wilson St., Crestview, FL. Fees $2.00. Walk-ins welcome. Free coffee, 610's on hand, plenty of rag-chewing, talk-ins on 147.36 WB4CDR/Rpt. Bring copy of license and an I.D. with picture (e.g. Driver's License). Now is the time to upgrade.

73, KF4RR/AC VE

**FORT MYERS AMATEUR RADIO CLUB EXAMS**
**By Peggy, KY8Y**

The Fort Myers Amateur Radio Club will sponsor examinations on May 17th at the South Recreation Center, which is located in Ft. Myers, just south of the Ft. Myers Golf Course.

The exams will begin at 9:30 a.m. Applicants should be there at 9:00 a.m.

The deadline for filing applications is April 17th. Send completed 610 Form, photocopy of license with a check, payable to ARRL/VEC ($4.25), to Elmer Cummings, KZ8O. His address is: 1530 S.W. 53rd Terrace, Cape Coral, FL 33914, Telephone: (813) 549-3581.

The Lake Amateur Radio Association will sponsor amateur radio license exams on Saturday, April 12, 1986 at 9 A.M. They will be held at their clubhouse on Springdale Avenue, Bassville Park. Contact Dorothy Conklin, KQ4R, 904-343-0075.

**SEMINARS PLANNED**

I wish to use the excellent facilities of Florida Skip as a vehicle to make inquiry on how many present and prospective instructors for amateur radio licenses would be interested in attending an Instructors Seminar to be presented by John Foss, ARRL Editor of the Instructors Handbook and other experienced instructor guides.

In the event enough people are interested we will make an attempt to hold several Seminars throughout the State of Florida. At present, John will be available on April 19th for a seminar in the Dade County area which could be attended by instructors for Broward, Dade, Palm Beach, and Monroe Counties. We realize a great deal of travel is involved so many potential instructors may not be able to attend such a seminar, however as the funds to cover the seminar expenses will be picked up by volunteers such as myself, we are unable to finance the seminars in every locale.

I am most interested in receiving response from the Skip readers and any others that wish to pass on their views so that we may have an indication whether to proceed with our plans for an April Seminar and/or future seminars of this nature.

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From P. 1 Interference

Now, as to your jamming problem. I had a chance to witness it on a first-hand basis within the past month. It is limited to a handful of repeaters that serve the central core of the Miami area. These are high-user load, heavily congested machines, and are the type that are the prime target for the jammer and foul-mouth. I have been to many other Florida cities, and never once have I heard the type of problems that are manifest on what amounts to an insignificantly small number of local area repeaters. In fact, during the week prior to and the week after the 1986 Tropical Hamboree, I was vacationing in the Ft. Lauderdale/Boca Raton area. I regularly utilized repeater systems sponsored by both the Gold Coast ARC and Dade ARC among others. Never once did I hear an instance of jamming. Not once did I hear a foul word. In fact, I found every QSO that I entered or eavesdropped on to be well within the standards of decency and proper operation.

Yet, a 9 minute drive South on I-95 brought me within the range of "swill," but only if I elected to listen to or be bothered by it. Maybe having lived through an era of organized repeater jamming of the likes that you will never, ever experience has made me a bit callous. but there were two things that I noted. Actually three. First is that your jammers have no organizational structure. They are loners and most probably introverts who are seeking attention. Secondly that they are for the most part "low class." Not referring to their status in life, but rather in the methodology that they use. Clicking sounds, mouth sounds, musical instruments, tapes of radio shows and the like went out in the year 1979! By 1980, the California jammers were identifying by proper name, proper callsign while giving you a legitimate address and phone number as well. They freely admitted that they were jammers. In fact, Attorney Merdler develped what he calls a "Profile" of the average jammer and what it says will surprise you.

Your "average" jammer is not a bootlegger or CB operator with a stolen radio. Rather, he or she is usally higher class licensee (predominently Advanced Class) with several years of license behind him. He or she is usually of above average intelligence, slightly obese and at least mildly introverted. It is uncommon to find a bootlegger or lower grade licensee repeaters or anything else. In fact, over the years some of the best A-1 ops have been bootleggers. We recently reported on the case of one who was the President of two Mid-west radio clubs! That is, he WAS president.

There is something else. I did say that I had three observations. This latter one is a hard pill to swallow, but in the frey, we tend to place so much significance upon "the repeater" that we forget that a repeater is only an inert piece of machinery. It is not a life-form. It has no being, and has no other purpose than to serve mankind. A repeater is not human. People are human, and it is people who cause and who solve problems. This may shock some of you who obviously take glee in at least "swl-ing" the jammers, but my reaction is either to turn the radio off or to change the channel. Listening to otherwise sane individuals go off of the deep end because some nut-case happens onto their beloved "home repeater" and causes havoc, is not exactly what I consider as an interesting afternoon or evening of entertainment. Gut-level reaction? Well, as my non-ham wife said while we were motoring in south Ft. Lauderdale a few weeks ago and happened across some of the "Miami Vice"; ". . .gosh that sounds a lot like it used to in Los Angeles. Have they moved down here?" We turned the two meter radio off and the car radio on!

With all of the foregoing in mind, I wish to wind up by saying that the problem one finds in Miami is in no way indicative of the rest of the state. You do not find it in Orlando. You don't find it in Tallahassee. I definitely know you do not find it anywhere near KSC and I have a lot of friends over at the spaceport area and visit it several times a year in my profession as a broadcaster. So, instead of undoing all of the good of the past decade and giving the state power that it has absolutely no right to have in regulating radio communication, those same energies would be better spent in forcing your local FCC and DOJ offices into action against the offending stations. It's the job of the Federal government to remove them from the air, and if the Federal government refuses to act then you have the recourse to take legal action to force them to act.

I commend N4NIA on his initiative, but he is obviously ill-informed as to the meaning of Federal Pre-emption over radio communication. You neither need nor want a state law that could eventually be twisted by some shrewd politico and used against you. Rather, you want and must demand firm and unfaltering action from Federal enforcement bodies which are charged with curtailing activities such as jamming and harassment. Your duty is to keep the state out and the Feds in. Anything else is an expeditiousway of inviting disaster into your own back yard.

**FLORIDA AMATEUR RADIO TELETYPE SOCIETY**
**By WA4PWT-NCS**

The Florida Amateur Radio Teletype Society's Emergency Net meets each Monday night at 1930 hours local time on the WA4WHD RTTY REPEATER, 146.700 down 6 Khz for the purpose of training amateurs in proper message handling procedures. Dissiminating bulletins, updates on the latest happenings that concern amateur radio, etc.

The net has been in operation for just a little over a year, with many stations in Dade, Broward, Palm Beach Counties participating each week, as well as stations from Vero Beach, Orlando and the Bahamas who check in when propagation permits. There have been over 60 different stations who have checked in, some on a regular basis and some who check in when their work schedule permits their being available.

Should there be a hurricane or some other type of emergency in the South Florida area the RTTY repeater, along with the MSO will be operating on emergency power as long as the need arises.

Let's all join together whether you operate on VOICE, RTTY, PACKET or the LOW BANDS to make sure that we, here in South Florida, have a good communications coverage that will be able to get the job done to the best of our ability, should the need arise for our services.

Hope to see you all check in next Monday night with or without traffic.

(BROWARD ARC BULLETIN)

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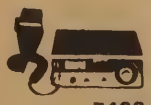

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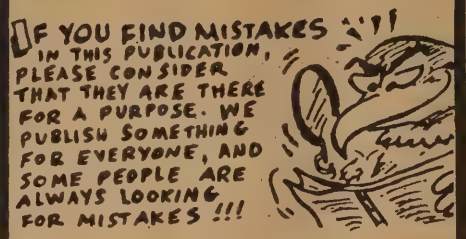
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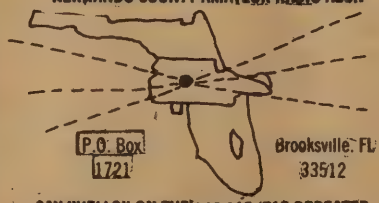

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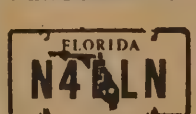


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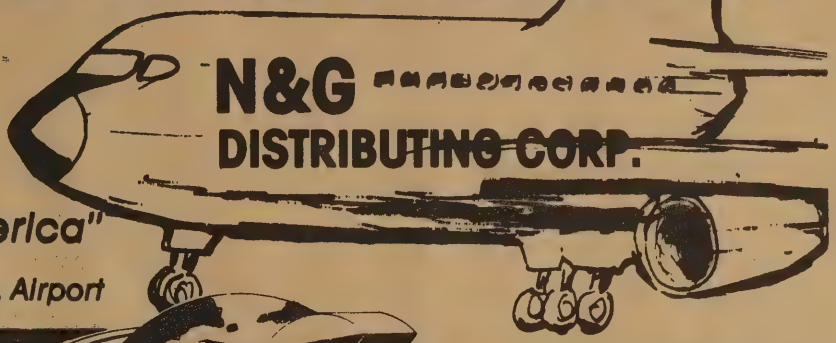

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### WHAT IT TAKES TO JOIN FLORIDA ARMY MARS
By Dick, AAR4PP

1. If you're a Florida resident with a valid Ham license, you qualify.
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3. If in addition you can reach 7.311 and 6.995 MHz, you've got enough to do a great job.
4. If you take pride in serving your country without getting paid for it, you've got the motivation.
5. If you can follow military communications procedures without feeling that your right to free speech has been compromised, you've got the self-confidence.
6. If you can accept corrections with good will, you've got the maturity.
7. If you can commit yourself to a few hours a week, then you've got the time.
8. If passing messages to the families of Soldiers, Sailors, and Marines — serving the services — is your idea of rewarding work, you've got the drive.
9. If Hamming needs to be more to you than screaming through pileups, collecting wallpaper, and commenting on the weather, then we've got what you want.
10. If you monitor 4.035 MHz LSB at 6:00 P.M. on 4 or 5 different evenings, and you say to yourself, "I'd like to join this gang," we'd be proud to have you as a member.

110. If, then, you contact Larry Wilker, AAA4FL, at 2252 West Austin Drive, Citrus Springs, FL 32630 requesting application forms, you're on your way to participating in the most exciting and rewarding activities that Ham radio will ever offer you!

### U.S. AIR FORCE MARS
By Phil McMasters, W4BCZ/AFA2XR FL PAC

Texas, California and Florida seem to have a contest going as to which is the best state. Well as far as MARS goes, Texas is best. From Official Broadcast 09 we read in Item 023 that the three MARS have approved a plan of co-operation in traffic handling between the services. Our SMD has tried to get a plan approved for Florida Nets, and someone does not want to co-operate. We are very close to Cuba. A country that is not in favor of our free enterprise system, and we should have at least had an emergency backup working first or at least the same time. No more Grenada communications foulups wanted.

All of our members who have RTTY 850 shift 60 WPM capability with a Ham license Technician or better are needed on TRR3 or TRR4 Nets. Maybe some of the Region problems can be worked out at the coming Region Conferences. Region 2 (Us) will be in Atlanta on 13 August 1986.

We had 17 members at the Orlando USAF MARS meeting in Orlando. Too bad the schedule got messed up or maybe the three MARS could have completed some co-operative recommendations.

### TRAFFIC HANDLERS LIST

There is a Florida Traffic Handlers List, alphabetical by call sign now available. This computerized list contains 8 pages of all known Florida traffic operators and the nets which they operate. To get your free copy, send a No. 10 (business size - 10 inches long) self addressed stamped envelope to Bill, K4ZK, Section Traffic Manager, So. Fla. ARRL, 4153 N.E. Skyline Dr., Jensen Beach, FL 33457. To defray printing cost a small donation would probably be appreciated. . .AC


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**Meet Miss Phil, KA4FZI, Manger of the QFNS from Cape Coral. (Read her Net column this issue). Photo was taken by Dick Hill WA4PFK, S. FL SM, at the City of Palms Hamfest, traffic handlers luncheon in Ft. Myers March 1, 1986. In back ground is Eric WD4KPG.**

## DX IN FLORIDA

**By Joe, WB4OSN**

In a previous issue we covered some of the most often asked questions regarding QSLing. Here are a few more tips to help you on your climb to the Honor Roll.

As many a seasoned DXers knows, waiting for a card from the Soviet Union can be an ulcer causing affair. I have watched the page corners of my log book turn brown waiting for some of the rarer Soviet Countries card to show up. In some cases W3HMK can help. Joe is probably one of hte best known QSL managers in the world. To quote an old phrase, "it ain't what you know but WHO you know." It seems like W3HNK knows lots of hams in the USSR. Try sending your card with SASE AND $1 to Joe at his callbook address. It isn't always fast and there are no guarantees but he has helped me with some Soviet cards that I had given up on.

There are several publications that provide a listing of QSL managers. One is the W6GO list. This is available on a subscription basis and is well worth the expense, especially to a DXer just starting out. The DX Bulletins also usually contain a listing of managers and addresses of where to send cards for recent DX operations. For additional information on these publications contact W4WJ at his callbook address or ask someone on the 147.93/.33 DX Repeater.

One of the biggest problems for a QSL manager is trying to figure out the dates and times on cards. ALWAYS use UTC or GMT! A card with "Smokey Mountain Standard Time" is almost always returned to its sender. Some managers just file these in the trash. Remember to change the date after 0000Z. Forgetting to do this can put you many pages away from where you actually are in the log. Should you get a card back marked "not in log", check to see if you have made this mistake. Dates are best written as March 10, 1986 or March, 86. A card with 3/10/86 could be either October 3rd OR March 10th. Reversing the day and the month is very popular in Europe and becoming more common here.

QSL cards that have all the information on the front side are preferred. There is less change of an error if you don't have to flip the card over to get the call from one side and all the data from the other.

That's all the space I have for this month. Good luck with your QSLing and CU in the pile-ups.

## LAST CALL FREE CALENDARS

It's that time of year again, when FLORIDA SKIP offers a neat Ham Shack size, multi-colored calendar FREE to its members. This will be our 23rd year in sending out free calendars.

Needless to say, we have given away thousands of calendars during this period of time. It measures 3-1/2 by 5-3/4 inches. It has on each page (month), last as well as next month in large bold numbers. Easy to read at a distance. These calendars cost SKIP about 26 cents each, but they are free to all members, however; if you wish you can send a small donation.

To get your free calendar, send a SASE (Self Addressed Stamped Envelope) to Calender, FLORIDA SKIP, P.O. Box 501, Miami Spring, FL 33266. Thank you.

## FLORIDA PACKET ACTIVITY

**By D. Deem, KB4LLO**

Packet radio is obviously on the move in Florida! As those of you already on packet know, new call signs appear in even greater numbers each day on our screens. The Florida Amateur Digital Communications Association's membership rolls are now at 400+ members and growing.

To meet the needs of its growing membership, FADCA has just mailed the second copy of Packet Radio Magazine, a magazine devoted to the advancement of Packet Radio, and the education of its readers. PRM will soon be the authoritative voice of this nation's packet community. A subscription to PRM is included in your membership dues when you join FADCA here in Florida, or through participating clubs throughout the U.S. For more information contact your local club, or write to:

FADCA Inc.
812 Childers Loop
Brandon, FL 33511

In past articles I have written of the work going on within the packet community here in Florida concerning networking and our efforts to develop the hardware and software needed to get a high speed network into operation. I am proud and pleased to report to you that giant steps have been taken recently toward this goal by Howard Goldstein, N2WX. Howard not only developed the hardware and software, he then built the device and has been testing it for several weeks in the Melbourne area, designated 305MLB. Howard's article can be found in the January issue of PRM, page 10. Congratulations Howie, for you a gold star and two happy faces. I'm looking forward to activation of that second part, then watch us go! Oh, by the way, Howeard has tagged his device a Network Switch. Remember that name, we will discuss it more in future articles.

As I understand it, the next switch to come online will be the Stuart Switch, identified as 305STU, thanks to the efforts of Ted Huf, K4NTA. From then on it's anybody's guess at this time as to who will be next, but it appears that the effort on the south-east coast is at a higher level than anywhere else in the state. Keep up the good work!

More developments are underway within the Florida packet community and will be discussed as they are tested and evaluated.

FADCA continues to seek new membership, we are especially intersted in individuals who have expertise in the area of r.f. design, networking, computer hardware/software, etc. and would like to offer their services. If you are intersted, drop me a line at the FADCA address in this column. On the other hand, if you are just interested in packet and want to know more about FADCA, we want to hear from you as well.

Here is a listing of the FADCA voice nets. We hope that you will join us this month by checking in on the net that serves your area.

Regional (Florida and adjoining states) 3958 KHz Sunday 8 a.m. EST; NCS: K4NTA.

Southnet Coordination Net: 7190 KHz Sunday 2 p.m. EST; NCS: W4FX.

Brevard County Area: 146.940 KHz (-600) Sunday 8 p.m.; NCS: N2WX.

Broward County Area: 147.00 KHz (-600) Sunday 8 p.m.: NCS: K4GFG, N4KWB.

Crestview: 147.36 KHz (+600) Sunday 8:30 p.m.; NCS: K3NN.

Gainesville: 146.91 (-600) Monday 8 p.m.

Marion County Area: 146.61 (-600) Thursday; NCS: K4OZS.

Miami Area: 147.00

Southwest Florida Area: 146.73 (-600) Wednesday 8 p.m.

Stuart Area: 147.060 KHz (-600) Sunday 8 p.m.

Tampa Bay Area: 147.165 KHz (+600) Sunday 7:30 p.m.; NCS: KB4LLO.

West Palm Beach County: 147.285 KHz (+600) Monday 8 p.m.

Club news from pg. 5

generated. The new message form, pre-printed with ARRL message numbers, helped simplify the whole process. Made it easier to type the messages, and speeded things up because the message senders didn't have time to dawdle over what they wanted to say. Good show, all. One of the most surprising spin-offs of the whole affair is that Frank, K4EUK is now thinking computers and packet. Elections were held on Monday, March 3. Your new officers are: President, WD4HHA, W.J. Smith; Vice President, WA4LLU, G.M. Averill; Secretary, KB4GWJ, R.D. Reynolds; Treasurer, WD4HHH, D. McAlister; Directors: WB4RHY, G.R. Callender, KR4X, L.J. Gispert, W4SAI, J.M. Muroff, and KA4WNZ, A.E. Gibson; Trustee, K4HFF, E.W. Miller.

Springtime brings us a new beginning. The lawn now needs to be mown. The Girl Scouts will soon have their Extravaganza, and then Field Day. Don't know yet what kind of group will get together, but hear that it won't be a county-wide effort, alas. Don't forget the installation banquet on March 20, do come. Our new address is: 131 Columbia Dr., Zip 33606. See you soon. 73, Delbert.

### MANATEE AMATEUR RADIO CLUB — K4GG
By Bob Clayton, KI4MM

Demonstrations of members' equipment delighted 44 members and guests at the club's March meeting. Harry Stewart, AA4IB, our newsletter editor, explained the construction and operation of his Heathkit CW keyboard. The Heathkit automatic antenna tuner was exhibited by our president, Archie Campbell, KA8HOR. Adam Stein, N1CVG, showed off his HAL computer interface for CW.

Seven members hold the distinguished title of owning ham tickets for 50 years or more. They are John Barr, W4ODZ; Virgil Yarbrough, K4IEK; Katherine Yarbrough, K4IFS; Sam Caryll, W3BGT; John Curren, W1AN; Jim Smith, KD4YD; and Harry Stewart, AA4IB. Congratulations!

The club's spring picnic will be held Saturday, April 12, 4 p.m., at Coquina Beach. Bring a potluck dish.

We are saddened by the recent passing of immediate past president Ed Ropke, WT4B. Ed also served as ARES/RACES EC and received last year's club "Ham of the Year" award.

### LAKELAND AMATEUR RADIO CLUB APPOINTS NEW BOARD
By S.A. GARDNER, N4MCW

The resignation as President of Bruce Clark KO1F, precipitated by illnesses in his family, resulted in a reorganization of the officials of the Lakeland Amateur Radio Club. Sam Gardner, N4MCW, formerly vice-president of the gorup was appointed President. Jim Gundry, W4JM, Norman Darch, W4HGV, Elmer R. Struchko, K4AVP, John Spark, W4LHP, and Dwight Redus, N4LBG are directors. The positions of Secretary and Treasurer, Nita Bean, N4LXJ, and Norman Weddell, W9HOH, respectively, remain unchanged.

Ginger Fitzgerald, WB4SOU, in charge of amateur radio communications during the 1986 SUN & FUN FLY-IN in Lakeland, March 15-22 gave a brief talk at the March monthly meeting at Kissin' Cuzzins restuarant. The requirements for traffic handling and the duties of the communications center personnel operating at the Lakeland Airport, were described. Approximately 20 members of the Lakeland club are serving in the communications activity during the Fly-In. The Sun 'N Fun event is the second largest assembly of private aircraft in the U.S. It is anticipated that approximately 130,000 visitors will attend the airshow.

Net News from pg 7

### DADE EMERGENCY NET
By Debbie Dunlap, KB4EWO

This past month we regretfully lost two of our members. Dick, WB4HZK and John, WA4UCV, who are now silent keys will be missed.

February traffic was brought aboard by W4IYT and KB4EWO. Also appreciated as usual, are Jack, KA4GUS for his ARRL bulletins and Dan, W4DL for his propagation bulletins.

This month, Andy, W4IYT gave us the news that the DF units have arrived. Happy Hunting! Remember to check in with us every Wednesday evening at 8:00 p.m. on the 146.76 repeater. We would like to hear from you.

### S.E. FLORIDA COMPUTER NET

Computer Net every Tuesday evening at 1900 Hrs. on 146.925 Mhz — 600 Kc. this is a MS-DOS oriented net dealing with any kind of subject relating to MS-DOS type computers.

All are welcome to check in with comments, questions, or join in at the conclusion of the formal portion of the net for our computer related Swap Session, buy, sell, trade (computer-related equip.).

The Net Manager is Jay Kaplan, N4JLR, who is a systems and software trouble shooter for a major international corp. Net Control is Dick Noble, WA4ZXM. Plenty of room for everyone. We have no time restrictions. 73, Dick, WA4ZXM, Miami.


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### FLORIDA PHONE TRAFFIC NET
By Bill, WB4WYG

If you missed that special eyeball in Miami Hamboree here's hoping that you get it at the Orlando Hamcation. Those wide aisles and 600-Plus swap tables were a joy to behold and all this with 8,895 in attendance. Saw a good many of our amateur radio friends in Miami, but missed a few; so hope we can still have that eyeball at Orlando. The F.P.T.N. had a total checkin for Feb. of 1,255; and for a month of 28 days that is sure a good figure. Would probably have topped 1,300 for a regular month with no trouble.

George, WA4NBE at the time of this writing is in Holmes Regional getting his heart medicine regulated, and very likely will have some good anecdotes for the net when he is able to get back on the air. Jim, KA4AMC is back on the air but cold weather in his operating position has held him back on checking in. Walt, WA4QXT has also felt the cold weather in his operating position, but has been doing some travelling around the state for a worthy cause, while camping out; even in the rain.

This net manager would really like to say a great big thank you to the N.C.S. that have so regularly and faithfully taken charge of the net, dispatching traffic and controlling net operations. Monday - WN4IIV; Tuesday - KF4RL; Wednesday - W4WYR; Thursday - W4SME; Friday - WA4QXT; Saturday - N4KFU; and Sunday - WD4COL. This leaves the net manager free to back up the N.C.S. in case something happens and his rig goes down, act as liaison, and be a spare N.C.S. As necessary. Bob, WN4IIV has been a tower of strength as Asst. Net Manager.

Thirty-four stations checked in 80% or better.

100% — WB4ADL, W4BCZ, W4BKC, K4BLM, KI4CQ, KA4DCA, WA4EIC, WB4EXA, WA4EYU, W4IAD, WN4IIV, WA4JDH, KD4KK, KB4MON, KA4NXF, K4SJA, WB4TZR, WB4WYG, WB4ZVD.

95% — K4BZS, WD4DAH, K4EJW, KJ4FJ, WD4FNX, N4IPY, N4JAQ, W4SME, KA4TTS.

90% — WB4SOU.

85% — KB4FIY, WB4FJY, W4TAH.

80% — W4HMR, W4KKR.

Nice job and congratulations to all — How about that — Start your Ham Radio Day the F.P.T.N. way on 3940 at 1155 U.T.C. and meet some of the best Hams on the air.

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(B.A.R.C. RADIO BULLETIN)

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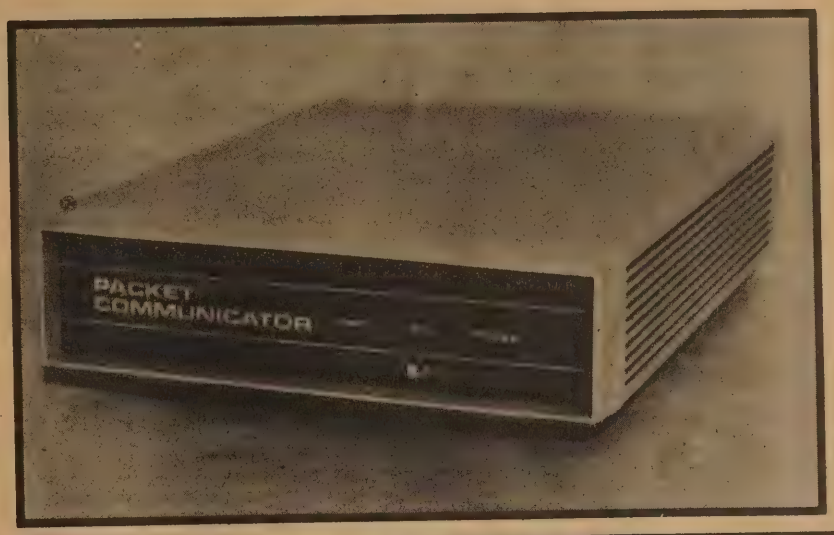


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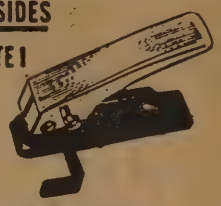
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FLORIDA REPEATER COUNCIL, INC.

We should like to take this opportunity to express our warmest thanks to the Dade Radio Club, and in particular to Mrs. Evelyn Gauzens, W4WYR, for the booth space and meeting facilities provided to the FRC at the 1986 Miami Hamboree.

In a recent column, we addressed the need for repeater operators to maintain transmitter frequency to within +/-750 Hz and maximum deviation (including any "PL" tone) to 4.5 kHz. In order to assure optimum system performance and minimize adjacent-channel interference (especially on 2 meters), the USER bears a responsibility to maintain his equipment to the same parameters.

Today, the vast majority of amateur FM operators use synthesized radios. For the most part, these come from the factory properly set up. Over a period of time, however, these radios go out of adjustment and need to be checked.

Many amateurs own a frequency counter; this instrument can be used to set a transmitter on frequency. The ability to measure deviation is quite another matter. A deviation meter or a service monitor (an all-in-one test set incorporating frequency and deviation measurement, monitoring and signal generation) is a very costly piece of test equipment which can normally be justified only by a commercial two-way shop.

There is a way in which these test facilities can be made accessible to the average amateur FM operator: the club-sponsored tuneup clinic. Usually, in every club there are one or more people who have access to a service monitor and are able to bring it to a meeting. An RF wattmeter and a 12V power supply shuld also be furnished. The club can designate a given meeting night as the tunup clinic, and the members can then check power output, transmit frequency and deviation of their FM radios. Those rigs which are out of limits can eithe be aligned by the owner at the clinic, if feasible, or shipped to the factory service center for adjustment. The person running the clinic should not volunteer to work on club members' radios.

Tuneup clinics were popular in the early days of amateur FM, when converted land-moble gear was prevalent. We encourage repeater clubs and groups to revive this practice by holding two such clinics annually. This will greatly assist in maintaining proper operation of the repeater system as a whole, and will in addition provide an interesting club activity.

Please keep in touch. Our address is: Florida Repeater Council, Inc., P.O. Box 4155, West Palm Beach, FL 33402-4155.

**Adam M. Farson, VE3DGY/W4, President, FRC, April 1986**

TIME BEACONS
ARCTIC AMATEUR RADIO CLUB
& THE WESTLINK REPORT
By Kurt Torgerson, KL7BGE

Interested in knowing the correct time? Most of us are familiar with the standard time and frequency stations WWV and JJY, and can listen to one or the other during any part of the day or night (except perhaps, following a major solar eruption as happened last week).

But, how about using tme beacons as propagation beacons of sorts? Besides stations WWV and JJY, there are many other time stations which give a rough indication of propagation paths to different areas of the world. You should be aware that some of these station run rather high power while others have apparently sporadic operating schedules. Look for signals on the following frequencies:

WWV — Ft. Collins, Colorado — 2.5, 5, 10, 15, 20 MHz.
WWVH — Maui, Hawaii — 2.5, 5, 10, 15 MHz.
JJY — Tokyo, Japan — 2.5, 5, 8, 10, 15 MHz.
CHU — Ottawa, Canada — 3.33, 7.335, 14.670 MHz.
VNG — Lundhurst, Australia — 5.425, 7.515, 12.005 MHz.
OLB5 — Czechoslovakia — 3.170 MHz.
VWC — Calcutta, India — 12.744 MHz.
DAO — German Hydro Institute, Germany — 2.775, 12.763 MHz.

THE WESTLINK REPORT

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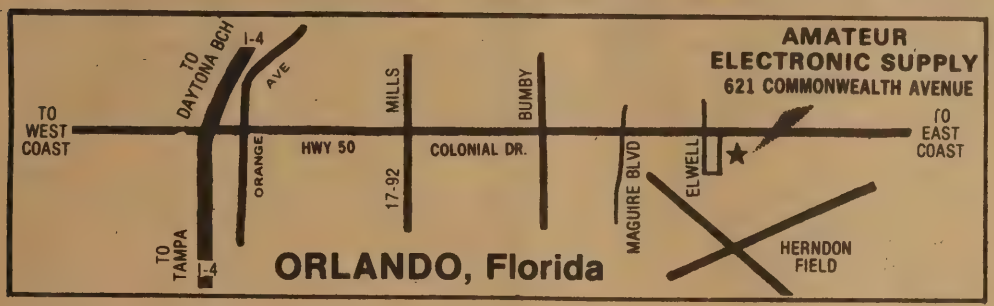

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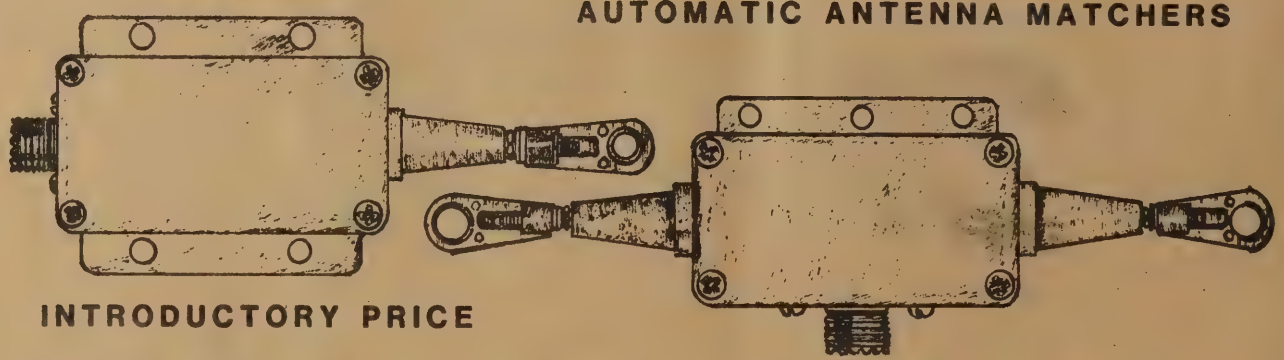

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# QCWA, Inc.

**QCWA STATE NEWS**
**Edited by Eli Nannis, K4JMH**

## FLORIDA STATE QCWA NEWS
**Edited by Eli Nannis, K4JMH**

All members were sent a copy of the QCWA HOTLINE REPORT. There is a report on proposal for Novice Enhancement based on a submission by ARRL. Our members are asked to answer a questionnaire on this subject. Get your reports in early. The Sunday QCWA net at 12:30 P.M. is now being run on 3955 KHz. It's working out much better than our 40 meter frequency of 7253. Some of our members do not have 80 meter antennas and we hope that they will try to get one up. Another problem is that a number of stations are checkin "short time." This defeats the purpose of a good net. Jim, K2SN is doing a great job as net manager and let's try to give more time to this net and show Jim that we appreciate his efforts to have a good net. On page 6 of the Hotline Report, there is a report on the 1986 QCWA National Convention. We are working very hard to make this the best convention yet. We hope that you will all try to attend. We expect to give away a number of prizes. We will accept any donations from other chapters. Some of our committee will be attending your chapter meetings in Florida to tell you about the convention and answer any questions.

**SUNCOAST CHAPTER:** Our chapter held their regular luncheon meeting at Davey's Locker in Sarasota on Feb. 5th. There were 90 members and guests present. One new member was welcomed. The nominating committee consists of Art Herrald, Chairmen, Walt Pierson and Corby Pratt. Dick Scott, K4JQA, talked on ham radio afloat and the various nets that serve the hams on the water. Vic Gemes gave the trivia contest which was won by Corby Pratt.

Reported by Bob Bookwalter W4NWT.

**SOUTHEAST CHAPTER:** Our chapter held their January meeting at the Chateau Bleu Motel in Coral Gables with 37 guests and members present. It is sad to report the passing of Willaed Chinn, N4ANZ. Will was an active ham and QCWAer and a great guy. A memorial donation in memory of Will was voted. Plans for our hospitality booth at the Miami Hamboree was discussed. Our chapter sponsors the booth and donated all of the refreshments. We want to thank Andy, W4IYT, for the fine job printing the photo of our October picnic in "Skip." Everyone had a good time.

Reported by Glenn, W4KO.

**GATOR CHAPTER:** There were 55 members and guests at the Feb. 1st meeting at the "Farmer Buffet." Our new slogan is Join the Gators and gain weight as our food is good and plenty at our new meeting restaurant. The Wedding anniversaries were the Turners, W2WV, 20 years, the Keyes, K4FCW, 15 years and the Lopers, W4LFY, 37 years. Roy Stibbs, K4FCW, is on the sick list. Russ, K4HI, is doing a fine job keeping us informed on our sick members. Wes, W4COW, advised that Leland Smith, W5KL, President of QCWA will present 70 year certificates to Bill Halligan, W9AC, and Nat Burnett, K4OJ, at the Miami Hamboree. A very interesting and informative program was given by Rick Rutan, N4DBN, club news columnist for the Evening Independent. He gave a talk with slides on how a big newspaper operates. It was really an amazing story and especially the part of the Skyway bridge when it was hit by a large ship and a portion of the bridge was destroyed and a bus full of people and a truck went into the bay. The new bridge will be finished in about a year. The new amateur radio store "Connection" located at the Rosetree Plaza, Ulmerton Road donated a Call Book for a prize. Charles Lovely, KE4HK, won the book and Shirley Barr, XYL of our Preisdent won the half and half. The new roster and membership cards was sent out to all paid up members.

Reported by Eli Nannis, K4JMH

**SPACEPORT CHAPTER:** Thirty members and guests attended the Jan. 11th meeting at Gully's Restaurant, Holiday Inn, Cocoa Beach. The featured speaker was Dr. Jerome Keuper, WA4GFS, founder and president of the Florida Institute of Technology in Melbourne. He related humorous anecdotes of his radio experiences as an officer in the Office of Strategic Services (OSS) during the WWII. Twenty-one members and guests attended the luncheon meeting on Feb. 8th at the same restaurant. Spence, K0REC, read Aden Keele's, K2SN, letter to all Florida QCWA chapters reference the Sunday QCWA net. Aden is net manager. Little interest was expressed in net participation and no one would volunteer for the net control assignment. The March meeting was cancelled due to the confliction with the Orlando Hamfest scheduled for the same week-end. The program featured two members with their 60 year certificates, Bob Baird, W9NN, and Allen Apple, K4ILX. Both were boyhood friends in Dayton, OH, during the 1920's and they related some of their experiences in ham radio during the spark gap days.

Reported by Spence, K0REC.

**PELICAN CHAPTER:** Our chapter held its luncheon meeting at the Econo Lodge in St. Petersburg on Feb. 19th and 42 members and guests attended. We had a very delicious meal for only $6.00. We had a minute of silent prayer in memory of a founding member, Roger Sykes, W1PP. Pete Peters, KF4ZF, has a long siege of illness and Ed Read, WA1HCK, is on the road of recovery from his illness. Alice Stocky, WB4ZPU, is in the hospital with a very painful back problem. Reg Iversen, K4QZ, is recovering very well after a serious illness. Our Treasurer, Perry Romig, KF4DI, received his 55 year certificate. Harold Fix, W3AA, was presented with a 50 year certificate. We welcomed a new member, Paul Turner, W1DLP, who is also a member of the Gator Chapter. Our President Phil Stern, WA4ZVO, and Dave Stocky, K4KE, visited the Suwannee chapter meeting in Ocala to publicize the coming national convention. They are planning to visit many other chapters in Florida. Our Saturday morning chapter net on 146.580 has been increasing each week. We all have breakfast the first Wednesday of each month at Granny's Kitchen in St. Pete at 8:30 A.M., and everyone is welcome.

Reported by Frank, W1ION, Secretary.

**William (Bill) J. Halligan, W9AC, who obtained his initial Amateur license in 1916, was presented with his 70-Year Certificate by Leland Smith, W5KL, President of Quarter Century Wireless Association on Feb. 8, 1986 at the Ramada Hotel in Miami. This meeting, sponored by Florida Section of The Radio Club of America, was held in connection with the Annual Tropical Hamboree. Bill Halligan founded the Hallicrafters Co. in 1930's & its radio equipment is still in use by radio amateurs around the world. He is Life QCWA 136 and Life Fellow of the Radio Club of America, Inc. (Photo via W2PF)**

**HERNANDO CHAPTER:** On Tuesday, Feb. 18th, our attendance reached a seasonal high of 56. The members were advised to check their local and national dues and don't let them expire. Carl, K4KYD, chapter president, is in the process of taking photos of all chapter members for 1986 Yearbook. FCC exams were given by our chapter at the Pasco-Hernando Community College. The ARRL is our VEC. We now have 12 extra class VE's in the chapter. The QCWA flea market table at the Citrus county hamfest was very profitable. The new members welcomed into the chapter were Ed Edwards, K2CIN, Weldon Hohnson, W8IZE, Cliff Dennis, VE3ANN, and Jack Potter, WA4IEX. The next luncheon meeting will be April 15th, 1 P.M. at Christopher's Family Restaurant on U.S. 41 S., in Brooksville. On April 2nd, we will have a chapter picnic at the Lake McKethan Recreational Area in the Withlacoochee State Forest on U.S. 41. It's an all-day affair.

Reported by Regis Kramer, W4ILE.

**HIGHLANDS COUNTY CHAPTER** 121 QCWA held their March meeting at the home of N4XC/AFB2VV and his wife Edna at their invitation. Sweet rolls and doughnuts were served. Most of the twenty-one members and guests that attended got to see that their votes for our new secretary and a new QCWAer were the proper one to cast. Fay does a fine job. Also he had new application blanks and we obtained two new members for both National and Chapter. The Joneses invited us all back again for the April meeting on the first Thursday, and W4BT and his YF Fran extended their hospitality for the May meeting before they go to the North. They are at 222 Andrei Avenue in Sebring. Will tell you how to get there next month. N4XV/AFB2VV is getting state-of-the-art antennas and equipment for all his MARS frequencies, all had not arrived at the time of the March meeting.

—Reported by Phil McMasters, W4BCZ

## ALL FLORIDA QCWA NET
**By Jim Keele, K2SN, Net Manager**

The All Florida QCWA Net has been operating quite successfully on 3955 KHz, although a number of our regular "check ins" have failed to show up on this frequency. Propagation on 75 has been good and with little or no QRM. It is hard to understand why some of the regular checkins find it difficult to get on this new frequency. There are many ways to lick the antenna problem, and I am sure they will find a way to get back on the net.

The response to my January letter to all 21 Florida QCWA Chapters is very slow. So far, I have had six Chapters reply (Suwannee, Royal Palm, Spaceport, Gateway, Treasure Coast, and Citrus). The Net Control response is very poor so far. Pelican had NCS for January, Everglades February, Suwannee March.

I have no volunteers for April, only one for May, none for June and July, two for August. I have 3 for September, but nothing for October, November, or December. Come on, fellows, give me a hand—Please!

## MC.W. I.D.'S

Audio frequency - modulated carrier wave transmissions will soon be legal for use in identifying 10 meter FM repeater stations. The FCC released a Report and Order on February 19 clearing the way for the legal use of MCW to identify repeater stations operating between 29.5 and 29.7 MHz. The FCC order still precludes the use of MCW in other portions of the 10 meter band. The rule goes into effect April 19.

(THE WESTLINK REPORT- TNX)

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## SOUTHERN FLORIDA OFFICIAL RELAY STATIONS

By Dick, WA4PFK

In last month's Florida Skip the various secuon level appointments were outlined. This month features the Official Relay Stations. The purpose of this column is to allow stations to check that my records accurately reflect these appointments. Please send me your certificate for endorsement if the last date is more than two years ago. If you are an active ORS and meet the requirements but are not listed please notify me by radiogram. If you are not an ORS but wish to be, please notify me by radiogram indicating that you meet the requirements and wish to have the appointment.

The requirements for ORS follow in abbreviated form:

1. Full ARRL membership and Novice license or higher.
2. Code and/or voice transmission.
3. Highest quality transmission.
4. Use standard ARRL operating practices.
5. Regular participation this does not mean be an iron man!
6. Prompt handling of messages.
7. STATION ACTIVITY REPORT (SAR) MONTHLY to WA4PFK.

| | | | |
|---|---|---|---|
| WB4AID | K4EUK | N4JOA | W4SME |
| K4BLM | KA4FZI | N4KB | KY4U |
| W4DV0 | WB4GCK | N4KFU | N2WX |
| WA4EIC | WA4HDH | W4NFK | WB4WYG |
| W4ESH | K4IA | WA4PFK | W4WYR |
| N4ET | K4JI | K4SCL | K4ZK |

SOME FOLKS DREAM OF BEING SOMETHING: OTHERS STAY AWAKE AND ARE.
ONE ADVANTAGE OF KEEPING SILENT IS THAT NOBODY CAN MISQUOTE YOU.

## HURRICANE KATE EMERGENCY REPORT

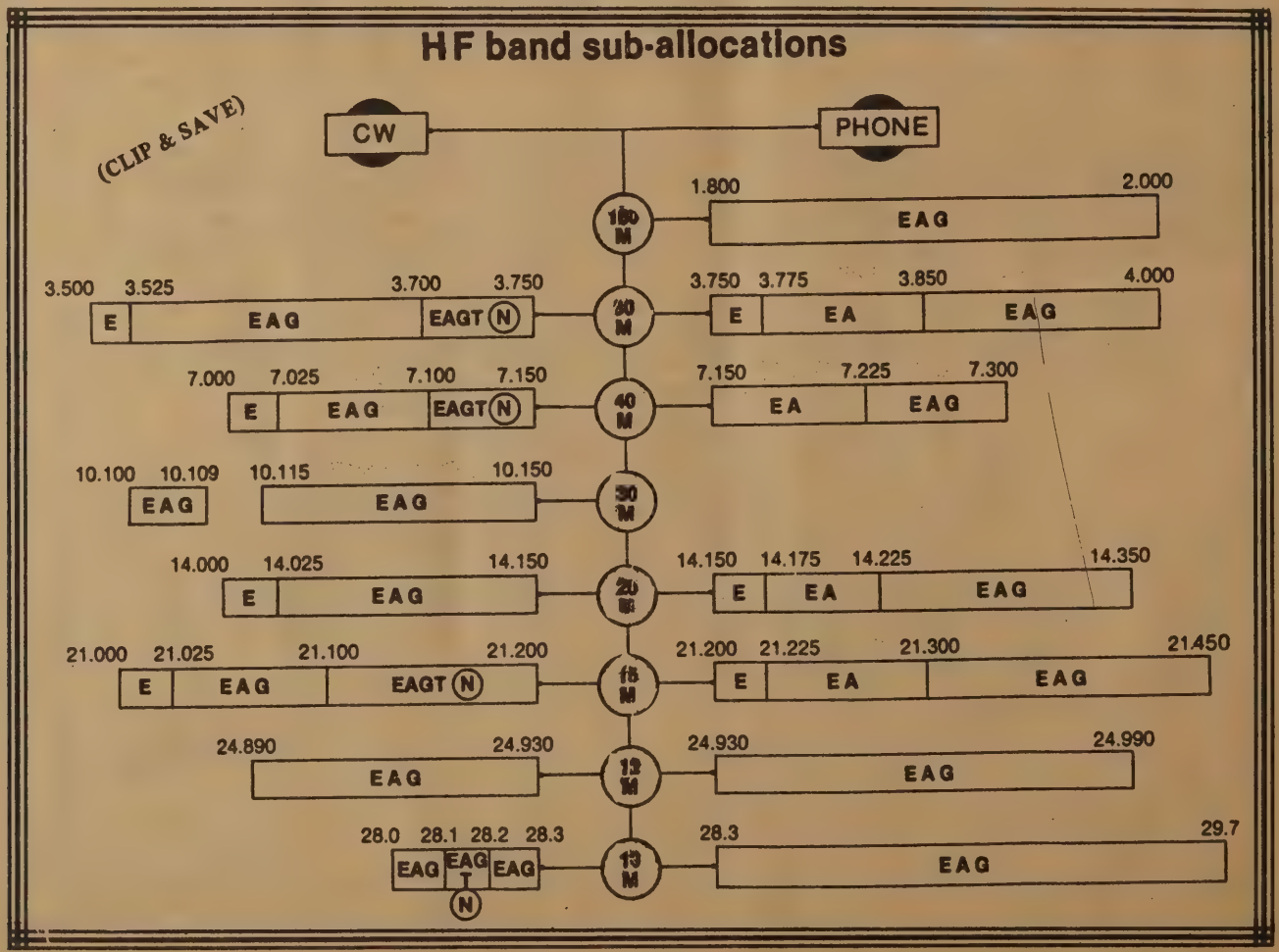
By Rudy Hubbard, WA4PUP, SEC. N. FL.

Kate was the fourth uninvited visitor we had here on the Gulf coast. Her visit was probably one of the worst from the standpoint of causing disruptions, damages, and general confusion. Perhaps some will object to this opinion, but many have expressed that view of the four uninvited visitors.

This past season provided us amateurs with opportunity to dust off and clean off our emergency procedures and put them to a real test. Not only did we have hurricanes, we also had numerous forest fires. The effort required to handle this mass of emergency operations, involved more people than we will ever know. Nor will we ever know of the outstanding performance by some of our operators. As best we try, someone will be overlooked. No doubt there are some we all would like to overlook, but not to be cynical, we want to praise many of our people for their fine effort.

Skip published an article this past year praising and recognizing those involved with the forest fires. While we never published nor recognized any other emergencies, I would like to recognize those that have been recommended by the District Emergency Coordinators for the dedication, concern, and interest in "helping those at a time when communications were needed."

There are several that responded to the request that yours truly made for assistance to go to the disaster area to assist. I do not have a complete list of the ones that did go, so let me recognize the ones that I do have names of: W4TKE, Walt and his party went from Gainesville to Tallahassee on to the area as directed by W4MLE, George, DEC. Capital District. WA2GIN, Jim and his party went from Pensacola to AQQ, and set up operations. Also, K4IVO, Ray and his party went from Pensacola to AQQ and set up a complete 2 meter station.



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DEADLINE for all Hambars and ads, 8th of each month in P.O. Box 501, Miami Springs, FL 33266. Normal mailing date 25th of each month. Thank you for your cooperation. Editor.

FOR SALE: Factory wired Johnson Viking Valiant with Match Box and manuals $250. Heath SB-301 rcvr, SB-401 Xmtr adapter for transceive with manuals and mike $200. Bill Hoffer W4POc, 1209 3rd St. E. Lehigh Acres, FL 33936 813-369-2502 after 4PM.

ESTATE SALE: New Instructorgraph Company machine with complete set of code tapes. Perfect for class work or for the XYL. All speeds from 3 to 50 WPM continous. $60. B&W Dummy load and Watt meter model 334A, range 2-230 MHz. Power ranges 10 - 100 - 300 and 1000 watts $135. Heath HD-15 phone patch $23. ICOM 701 and ICOM 701 PS and SM2 PPT mike, like new with manual and orig. shipping cartons $395. COLLINS Dummy load DL1, like new $75. Jone Micro-Match model 711N $35. Heathkit Tranistor checker Mod. IT-18 in brown plastic carry case $12. All above plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

Sell: Hewlett-Packard No. 1220A, solid state, 15 MHz dual-channel scope $395., No. 200AB audio oscillator $50. Realistic SCT-24A cassette Stereo tape deck $65. Ampex broadcast console VU meter with ladder attenuetor $25. Heathkit 1144A power supply with output connector for use with Kenwood transceiver $65. Heaithkit 5MHz scope No. 10-4560 $95. H. Cervantes W2DB, 316 Hiawatha, Inverness, FL 32652 904 344-1041.

SELL OR TRADE: Several pieces of TV and Ham, CB test equipment. Also antenna insulators, 16 Ga. enamel copper wire at 5 cents ft. 70 ohm coax cable at 7 cents a ft. Many Heath, EICO, Howard, SAMS manuals at $1.50 each. Ham receivers, aluminum tubing, tubes for: Radios, TV and ham rigs etc., Surplus items and electronics. Bill Cermak K4IWK, 113 E. Main St. (down town) Tavares, FL 32778 904 343-8303.

LOW PRICED QSL CARDS 100 for $5. 500 for $20. add $1.75 for shipping and postage. SASE for samples. Kenneth Hand WB2EUF, P. O. Box 708, East Hampton, NY 11937.

SELL: ICOM-745 all band transceiver with built in power supply and ICOM SM6 mike $650. Mosley TA TA-33 $75. B. L. Norris (Silent Key) XYL KA4TFG, P. O. Box 676, Loxahatchee, FL 33470 305 793-2482.

WANTED: Factory AC power supply for National SW-3. Leland Smith W5KL, Rt. 3, Jasper, AR 72641 501 428-5967.

WANTED: Several 4CX250F (26 V. Filament) tubes, new or nearly. Also watt meter slugs for 1300 MHz. SELL: 6 Amp G. R. Variac $30. Bird reversing coax switch, 72R $45. Pavavise W/base $35. Two 16 MF/4500 volt filters $35. Marshall Goldblatt W4EMB, 11801 SW 70 Ave., Miami, FL 33156 305 666-6997.

FOR SALE: Two Tokyo Ny-Power H.L. 200 70CM RF amplifiers 20W out. Work great with your H.T. Like new asking $70. each. J O'Brien KE4HQ, 2431 SW 85 Ave., Miramar, FL 33025 305 432-8180.

FOR SALE: SB-200 $250. TA-33 with Ham M Rotator $200. Tilt tower $50. Last call -- Giveaway: QSTs etc from 1940 on. Take them or I burn them! E. J. Trask K4DUG, 214 N. Volusia Ave., Orange City, FL 32763 (no phone given)

FOR SALE: YAESU FT-207R 2M HT, complete with all accessories, service manual $200. Macrotronics CW/RTTY interface $30. Heathkit HF SWR/Wattmeter $30. Hy-Gain 80-10 M vertical $25. Isopole 144 $25. ICOM leather case $20. Yaesu YC-221 digital display $40. Wayne Poole KC4XL, 8926 Byron Ave., Miami Beach, FL 33154 305 864-5249.

WATER POLLITION: H2 oh - oh !

FOR SALE: TH3-Mk3 20-15-10 mtrs beam $125. Hustler 2 M coalineal mobile antenna $10. Larsen 5/8W 2 M mobile antenna $10. Nye Viking low pass filter $10. Microwave modules 144-146 to 28-30 MHz converter for OSCAR $40. Optoelectronics temperature probe $30. Commodore 128 original switching power supply $10. Works on the 64 too. WANT: UHF repeater antenna, UHF Bird slugs. Ruben Gordon LU8AAW, P. O. Box 610834, Miami, FL 33161 305 685-6747.

FOR SALE: HAMSOFT Software for VIC-20 Computer. Excellent condition. $30. George Houser WD4FSV, 9469 S.W. 51 Ct., Cooper City, FL 33328 305 434-8079.

COLUMBUS DISCOVERED AMERICA SO EUROPE COULD HAVE SOMEPLACE TO GO TO BORROW MONEY....

HAVE TO SELL: Brand new Kenwood d.c. convertor $50. Model DS-1-A $50. WANTED: Kenwood model TS-230 tuner. Must be brand new. Call Walter J. Kochanek W1KWA, 708 Willow Dr. Lehigh, FL 33936 813 369-8247.

FOR SALE: Kenwood TS-700A multimode 2-meter transceiver with built-in A/C supply, internal Janel Preamp, and factory modified for the new repeater subband. $275.00. RTTY for sale: HAL Communications model ST-6 terminal unit, factory built kit, 170/450/850 shifts, AK-1 ASFK, printer l oop, RS232-C compatible signals. $100.00 VHF enthusiasts: Johnson Viking 6N2 Thunderbolt amplifier, 2100 volt power supply driving (2) 4CX250B in silver plated tank. External Dow Key relay keying. Needs some work. Unit weighs 120 lbs. $175. or trade for solid state 200 watt amp. Bill Whitaker, WD4JKM, 13360 SW 50 St., Miami, FL 33175 305 592-7184 days, 463-6402 (Broward), 223-5782 nights/weekends.

FLOPPY DISKS: 10 DS/DD 5 1/4" soft sector in library case for $12.50. IBM 2D 8" DS/DD, used once, $1.00 each. Add $2.50 to order for postage and handling. Check or MO payable to TYGER ELECTRONICS, P. O. Box 750, Clinton, MD 20735 301 248-7302.

ANTENNAS: Andrews fiberglass base station, model 468.1 medium gain, 450-460 MHz, 15 ft. $65. Isopole 220 MHz base station (new) $25. 2 meter, 3 DB gain, 5/8 wave base station $20. 2 meter mobiles, 5/8 wave, 3 DB gain $20. All antennas plus shipping charges or free pick-up. G. Pohl, P. O. Box 391, Elfers, FL 34259 (No Phone.)

THE MOST DIFFICULT THING IN THE WORLD IS TO KNOW HOW TO DO SOMETHING, AND TO KEEP QUIET WHILE YOU WATCH SOMEONE ELSE DO IT WRONG....

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SEVERAL eight ohm speakers in nice cabinets. One Heathkit at $9. each plus UPS. 220 MHz FM transceive Clegg mfg., 2 pairs crystals for Tampa Bay area, manual included $43. plus UPS. 2M Wilson hand held with chger stand, nicads, remote speaker mike, crystal pairs for Tampa bay and Sarasota area $20. plus UPS. Drake model 2 meter portable 2 watts out built in charger, crystals for Tampa bay area. Drake model A-10 10 watt 2 meter amplifier 2 watts in ten watts out, manual $13. plus UPS. Herb Tuel W4IRA 1878 Lakeview Rd., Clearwater, FL 33546 813 442-5387 after 6 PM.

I FOUND OUT A LONG TIME AGO THAT NO MATTER HOW SCARED YOU ARE, YOU'RE A DAM SIGHT SAFER IF NOBODY KNOWS IT..

SELL: ROBYN SB505D 10 meter mobile transceiver $75. 20EL "C" KLM 2 meter OSCAR beam wotj swotcjer $50. No ship on beam. Judd Bodycote W1PEA, 2214 59th St., Sarasota, FL 34243, 813 355-4229.

SELL: TEN-TEC Century 21 transceiver with digital display, calibrator, manual, mint $200. Robot 800 cw/rtty keyboard terminal, as new $200. Datong FL-1 audio filter, excellent $75. Datong speech processor $25. I ship. Bob Needleman KD4ZN/3 425 Waring St. Phila. Pa, 19116 215 - 698-2627.

TUBES * TUBES * TUBES * TUBES. 25,000 in stock. Reason able prices. Quick turnaround. Business SASE for list. Rob Horn, P. O. Box 750, Clinton, MD 20735 301 248-7302.

SELL: KENWOOD TS120S base and mobile HF rig with YK88C 500 Hz CW filter, PS 30 A power supply MC-30S noise canceling microphone Kenwood mobile bracket, Webster 10 to 80 mobile antenna. All in original boxes with manuals. All for $425. Eddy Rojas WY4J, 10871 SW 69 Dr., Miami, FL 33173 305 596-9704.

SELL OR TRADE: Keathkit. Assembled and checked, never used cost $179.95 SA2040 2Kw antenna tuner, 3kW. Need smaller unit approx 150 w. Max. Condition new. Floyd W. Hershner, 2960 Galaxy Ln., Lakeland, FL 33801 813- 666-1104.

THE IDEAL COMMITTEE CONSISTS OF SIX PEOPLE WHO DON'T HAVE THE TIME, AND ONE PERSON WHO LIKES TO RUN THINGS HIS WAY.

FOR SALE: Hallicrafters SX111 and HT-37 $50. very good condition. Alex Uhimchuk WA2AQW, 469 NE Armory Cir., Port St. Lucie, FL 33452. 305 878-9783.

SELL: Knight Ocean Hopper, complete set coils, headphones and manual mint. Old Telephone French style, hand crank magneto, Art work on black lacquer, metal parts are German Silver. Beautiful. Many panel meters, RF, AF generators, freq counters, VOMs Triplett, Weston. Wenith Trans Oceanic 3000. Home made SW-3 complete set coils . Lots of old radio parts variable condensers. Coils, rheostats, grid leak, etc. Also the old molded bakelite tube sockets and tubes. Bill Thompson, 1095 NW 147 St., Miami, FL 33169 305 685-1993.

WANTED: I AM LOOKING FOR old ARRL handbooks before 1970. Also looking for 6 meter transceiver with AM, FM, SSB, portable or base. Don KB4NSX, 5651 Blue Burry Ct., Lauderhill, FL 33313 305 486-8010.

SELL: PACKET RADIO' PAKRATT-64 by AEA, HF modem included, like new. Max Goldstein K4EGZ, 1750 NE 191 St., N. Miami Beach, FL 33179 305 949-4868.

A CHILD WHO'S SMART ENOUGH TO COME IN OUT OF THE RAIN CAN USUALLY FIND A GOOD EXCUSE FOR STAYING OUT IN IT ..

COMMERCIAL AMATEUR ANTIQUE COLLECTORS: Have early model Bommie tape cutter, used in old WAX station to send perfect c.w. from 4 to 60 WPM. Good condition, black crackel finish. With roll of tape. REQuires 115 VDC to run. The last of its kind. Make offer and pick up only. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874 evenings and week ends.

WANTED: More Ham shack - Operators photos. Can be in color so long as colors not too dark. Club photos, of Field day, contests, or special events. Give details of person in photo please. Editor, Florida Skip.

FOR SALE: 420-450 MHz Spectrum International 48 element vert&horz beam. Ready to put up. No ship. In very clean condition. See page 32 of HAM RADIO, Oct. for picture. Rated 15.7 dBd. $45. Andy Clark W4IYT 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

A MAN CAN ALWAYS PRED'CT THE JOYS OF MARRIED LIFE BY LISTENING TO HIS FIANCEE TALK TO HER LITTLE BROTHER....

FLORIDA QSO PARTY IS MAY 3rd & 4th' MAKE YOUR PLANS NOW to participate. Plaques and certificates for winners. See rules in this issue. Cut them out and tell your friends. FLORIDA QSO PARTY is rated as one of best in country. Make it better. If you have never been in a QSO Party, you are missing alot of fun. Try it just ONCE and see what we mean. Good luck. W4PTT. QSO Manager 1986.

SELL: KW Amp. Henry 2K-4 console model 2 3-500Z tubes (1 Brand new.), includes 1 Spare tube $675. Pete Brunet WS4G, 8446 N.W. 26 Dr., Coral Springs, FL 33065 305 733-1614.

FOR SALE: Kenwood TS820S, VFO and spkr $600. ICOM IC-02AT $190. Heathkit 12V 20Amp P.S. $75. Kenwood TR7600 with RM-76 $150. Mirage B-108 $100. Larson 2 mtr antenna $20. Ricky Maseda WA4WEB, 1717 W. Atkinson, ST., Tampa, FL 33604 813 932-4219.

SELL: 63 foot Rohn 55G tower (70 ft. with mast), $595. Rohn 45G (50+ with mast), $295. Sturdy, 3-sided commercial towers, 18" each side, 1½ and 1¼ diameter tubing, respectively. No rust. Ready for your moving. WANT: fast-scan ATV station, 2-station wireless intercom. George Sand, W4EOB, 1412 Winkler Ave., Ft. Myers, FL 33901 813 936-5661.

WHEN THE FREQUENCY IS FOUR DEEP AND YOU HEAR "QRL?" THAT MEANS LOOK OUT.....HERE I COME! ! !

WANTED: C-64, DR, DX Morse university - or other Morse TTY/Packet. Hardware/Software, APPLE II-C stuff, too. New to hobby. John Zimmerman, 3700 SW 60 Ave., Miami, FL 33155 305 667-8299.

FOR SALE: Teletype model 33 with original manuals, modem, some new parts, paper. You ship or will meet up to 100 miles. $100. or best offer. Norm Wilford W1TLZ, 305-453-3560, 2020 Newfound Harbor Dr., Merritt Island, FL 32952.

Sale or Trade: Good for slow sean sears Tosibia Portable VCR VHS wireless remote control also low ligt vidio camera, automatic focus, light bar, 5 hour battery, 1 hour battery, vidio case, still under warranty from Sears cost $2,500. Make offer or trade for good pick-up, small car or crank-up tower. Fred Albart KB4PJI, 1791 SW 3rd St. Homestead, FL 305 245-2639 or 247-4197.

DRIVE AS IF YOU OWNED THE OTHER CAR. . . .
TRY PRAISING YOUR KIDS, EVEN IF IT DOES FRIGHTEN THEM AT FIRST.

FOR SALE: ICOM IC-245 all mode 2 meter transcvr $175. Yaesu FT-DX560 Xcvr $250. Sears B/W video sound camera $75. TI99 4A DC polomar interface, P.S. Hamsoft $150. Trac auto Keyer $30. Lafayett 30-50 MHz PA monitor with P.S. $30. Roger Millard KB4LAE, 2028 Barcelona Dr. So., St. Petersburg, FL 33712 813 867-0014.

FOR SALE: Hammerlund HQ-129X, well used and good working condition. You ship or will meet up to 100 miles. Norm Wilford W1TLZ, 2020 Newfound Harbor Dr., Merritt Island, FL 32952 305 453-3560.

STOLEN: Motorola handie-talkie, 4 chnl UHF, including crystals 450.55/455.55; 450.75 mod. no. H44AAU3140N; Ser. No. 278AHN0835. Had new battery (Alexander Battery Co. Lee Hall, KB4KDX. 58 S. Ivanhoe Blvd., Orlando, FL 32804 305 843-5800.

REMEMBER! All such ads as above are FREE to any Florida Licensed Amateur, regardless if you are a SKIP member or not. Editor - -

NOTE: Min. Hambar charge is $2.00. Five cents per word for each thereafter. Min. Commercial rate $3.00 and 10 cents ped thereafter. We aint fussy if you miscount - dont worry about it. Editor, P. O. Box 501, Miami Springs, FL 33266. PLEASE give your Name, Call sign, mailing address, ZIP and Phone number. Make it easy for person to reach you! !

FOR SALE: AEA CPL interface with RS 232 option added $100. Hamsoft software for TRS80 color computer $25. Homebrew 3-500Z linear tuned input, rolor coil pienet. Will demonstrait $100. Two teletype 33 printers on Stand, make offer. Teletype model 40 printer in use will demonstrate, made for 24 hours a day commercial use. Baud rate adjustable 110 to 4800 with instructions manual. Keith Parkman W4ZEU 442 SW Banyan St. Sebastian, FL 32958 305 589-6985.

STILL URGENTLY NEEDED: Any info on AKS-7 Reddi-Kilwat electronic Keyer built about 15 years ago in PA. Have two needing repair. Am helpless without block diagram or schematic diagram. Each unit cost about $189. new - hate to throw 'em out. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

## DIGITAL NEWS

There is a new Digital Publication now in circulation, in the South Florida area. It is call Digital News. Printed offset 7 x 9-1/2 inches, is edited and published by Albert H. Coya, N4AL, 1710 S.W. 83rd Ct., Miami, FL 33155. Presently the publication is mailed free to anyone who sends Al a business size (10 inches long) self addressed, stamped envelope to address above. Volume II, No. 12 had a real interesting article about the Omega computer. Good luck Al.

## LETTERS

Dear Editor:

I do not agree with N4NIA's proposal to seek a state law to regulate Amateur Radio activities.

First: Such a statute would probably be in conflict with the jurisdiction of the FCC.

Secondly: It woould be like invitintg the "camel's nose under the tent." Passage of such a statute would invite more legislation that would be onerous to hams and cause extensive and expensive litigation.

I concur with the article by KI4T in the March issue of SKIP. It contains the opinion of ARRL General Counsel Imlay in opposition to state legislation. His opinion is based on more extensive Amateur Radio legal experience than most other attorneys woul have. We have too many gains in legislation over the years to start relinquishing any of them now.

There must be other ways than the vigilante method. Exposure to the community would be one of them. Probably many hams do not know the parties involved. The FCC is slow, but it does take action, see page 32 of March SKIP.

Very truly your,
R.E. Lowrey, Jr., W4DQW
Route 2, Box 285
Bradenton, Florida 34202

Dear OM Andy:

Last month, when I read about the efforts of Spyros Kosmetatos, N4NIA to obtain legislation at the state and/or local level to control amateur radio operations, I fully intended to write immediately about the obvious serious problems which this could cause for amateur radio operators everywhere. But as usual, I procrastinated.

Today, I received your March issue, and was pleased to see the comments by Joel I. Kandel, KI4T, and the contained quote from ARRL General Counsel, Christopher Imlay. These comments were concise and directly to the point, but I fear maybe not strong enough to undo the potentially vast harm done by N4NIA's ill-conceived campaign to solicit support for such local legislation. No doubt Kosmetatos meant well, and as a police officer who was admittedly "furious" and "Furious again," wished that he had statutory backing which would enable him to simply arrest the culprit. But it is frightening to contemplate where this could lead. If such legislation was passed, and not challenged to obtain federal preemption, local-level statutes covering all phases of amateur radio operation might very well be introduced, which ultimately could essentially ban all amateur activity.

As an old time ham, please let me state that we used to feel that our operation was governed by federal law, administered by the FCC, and that we had protection from local harrassment. Then, we found out the hard way that this was not necessarily so. And ever since, we have been fighting to obtain legal rulings which would clearly bestow complete federal preemption over amateur radio regulation. We have made some notable strides in this direction recently. What a shame if Florida, with its very large and fast-growing amateur population, was guilty of upsetting this progress.

Permit me to relate some personal experiences with local judges, courts and police. In 1946, I was contacted by a neighbor who had one of the then popular $10.00 AC/DC midget radios. It seems he had audio rectification of my AM signals. I visited him and offered to help, but he refused. I explained that the FCC regulations of the day said something like "amateur transmissions will not interfere with radios of modern design, including a tuned radio frequency stage," and his radio was not that well endowed. His ensuing tirade disclosed the fact that he was a judge in the local court. Shortly thereafter, the local police appeared at my door, and advised they were sent to shut down my operations. I told them that I was federally licensed and operating within federal rules and that their jurisdiction did not extend to my operation. This I really believed! Their response was "that may be true, but if you don't get off the air now and permanently, we'll find something to get you before the judge, and you'll wish you had." I moved out of the state.

Then, in early 1968, my next door neighbor in Sarasota installed an antenna-mounted pre-amp for his TV and complained. This time, with help from the local TVI committee and later the Tampa FCC office, it was determined my operations were completely clean, and that remedial action would have to involve the complainant's TV and pre-amp. This he refused, and in October 1968 a suit was filed against me in Sarasota County Circuit Court, seeking an injunction against my . . . using my amateur station, and that the complainant recover $1,000,000.00 damages! All this was covered extensively in Florida Skip, 73 Magazine, QST, etc. Although thousands of dollars were spent in legal fees (greatly helped by contributions from interested hams), we were never able to get the case into the Federal Court in Tampa. So, it dragged on at the local level until finally the complainant withdrew his suit.

Do you want to be subject to the whims of a local court which has no expertise in radio matters? Wouldn't you rather have such determinations made by the FCC in accordance with federal law?

Let's fight any proposed local legislation, and put all our efforts to obtaining federal preemption of all such matters pertaining to licensed radio amateurs.

I'm very sorry that the N4NIA appeal was front-paged in Skip, that KI4T's rebuttal was buried on page 10 of the subsequent issue. Perhaps you could contact KI4T and/or Mr. Imlay of ARRL for a well-reasoned story, worthy of page 1 treatment.

Best personal regards to you and Betty.

Sincerely,
Ansel E. Gridley, W4GJO
Rt. 2, Box 138-B
Rising Fawn, GA 30738

## TUNED ANTENNA CO. WARNING!

**By Joe Lello, KF4RX**

At this past hamboree, purchased a "Tuned Antenna Co." antenna combo for the Kenwood TH series mini-handhelds. The package consisted of an adapter plug, and two stubby duck type antennas, a 1/4 wave and a 5/8 wave. I immediately opened the package and installed the 5/8 wave job for better performance at the 'fest. I noticed that the antenna was a very snug fit in the socket on the rig, and I hestitated to tighten it home at first, but shoved it in, figuring what the heck, it was brand new and would loosen up.

I did not use the original antenna again for some time, until one day I decided to make a comparison. The factory antenna dropped into the hole like a pencil in a coke bottle, and I feared that the center pin was not touching at all! Upon disassembling the offending adapter and checking the dimensions of the center pins with a micrometer, I found it to be 6 and a half thousandths overwise compared to the factory antenna's perfect .125 inch diameter. I promptly ducked it up in a drill and sanded it down to size, but I am expecting trouble sooner or later with the now damaged receptacle. Thanks alot guys.

## 10 METER BEACONS

**WB4JHS & K20LG**

| Freq. | Call | Location | Notes |
|---|---|---|---|
| 28.175 | VE3TEN | Ottawa, Canada | |
| 28.200 | DL0IGI | W. Germany | Alternates with 28.205 |
| 28.2025 | 9J2B | Zambia | |
| 28.2025 | ZS5VHF | Natal, RSA | 5W, GP at 1850 ft. ASL |
| 28.205 | DL0IGI | W. Germany | |
| 28.2075 | W4ESY/N4RD | Florida, USA | |
| 28.209 | WA1IOB | Mass., USA | |
| 28.210 | 3B8MS | Mauritius | GP Ant. |
| 28.2125 | ZD9GI | Gough Is. | |
| 28.215 | GB3SX | England | |
| 28.220 | 5B4CY | Cyprus | 26W, GP Ant. |
| 28.2225 | W9UXO | Chicago, IL | 10W GP ANT |
| 28.225 | HG2BHA | Hungary | |
| 28.225 | EA6AU | Balearic Is. | |
| 28.225 | VE8AA | Yukon, Canada | |
| 28.230 | ZL2MHF | New Zealand | 50W, Vert Dipole |
| 28.235 | VP9BA | Bermuda | |
| 28.2375 | LA5TEN | Oslo, Norway | 10W 5/8 GP ANT |
| 28.240 | OA4CK | Lima, Peru | |
| 28.240 | PY1CK | Rio de Janiero, Brazil | |
| 28.2425 | ZS1CTB | RSA | |
| 28.2425 | LU4FM | Argentina | |
| 28.245 | A92C | Bahrain | NW/SE Dipole |
| 24.2475 | EA2HB/EA2OIZ | Spain | |
| 28.250 | Z21ANB | Zimbabwe | 15W, GP ANT |
| 28.250 | PA0GG | Netherlands | |
| 28.251 | ON5AV | Belgium | |
| 28.2525 | VE7TEN | Vancouver, Canada | 4W |
| 28.255 | LU1UG | Argentina | 5W - GP ANT |
| 28.2575 | DK0TE | Germany | 40W |
| 28.260 | VK5WI | So. Australia, Adelaide | |
| 28.261 | VK2RSY | NSW, Australia | |
| 28.2625 | VK2WI | NSW, Australia | |
| 28.265 | PY2WXD | San Paulo, Brazil | |
| 28.270 | ZS6PW | Pretoria, RSA | 10W - 3 EL TAGI on G-land |
| 28.271 | VK4RTL | Queensland, Australia | |
| 28.2725 | TU2ABJ | Ivory Coast | |
| 28.2725 | 9L1FTN | Sierra Leone | 10W Vertical Dipole |
| 28.2775 | DF0AAB | W. Germany | 40W GP Ant. |
| 28.280 | YV5AYV | Caracas, Venezuela | Rotary Beam |
| 28.280 | LU8EB | Argentina | 5W |
| 28.284 | VP8ADE | Falkland Is. | 8W-V Beam to G Land |
| 28.286 | KA1YE | Rochester, NY | 2W Vert. Dipole |
| 28.287 | W8OMV | No. Carolina, USA | 20W GP Ant. |
| 28.288 | W2NZH | New Jersey, USA | 3W GP Ant. |
| 28.290 | VS6TEN | Hong Kong | 4W GP Ant. |
| 28.2925 | LU2FFV | Argentina | 5W GP Ant. |
| 28.295 | VU2BCN | India - New Delhi | |
| 28.296 | W3VD | Maryland, USA | 1.5W Vert. Dipole |
| 28.2975 | ZSILA | Stillbay, RSA | 20W - 3 EL YAGI NW |
| 28.299 | PY2AMI | San Paulo, Brazil | 10W Vert. Dipole |
| 28.315 | ZS6DN | RSA | |
| 28.888 | W6IRT | California, USA | 5W GP ANT Code |
| 28.890 | WD9GOE | USA | |
| 28.992 | DL0NF | W. Germany | |

## NEW FLORIDA REPEATER MAP

The only one of its kind. The 1986 5th edition of the Florida 2 meter map is off the press. Another beautiful job by Editor, Bill Tucker, W4FXE with sincere thanks to the Florida Repeater Council. Each City has its own box with frequencies listed therein. There is another list by frequency along the side. Map is again printed on 11 X 17 inches, black on golden rod, easy to read, 20 pound bond paper. Once again we are keeping price down to only 25 cents each with your No. 10 (business size) envelope, self addressed and 22 cent stamp. Send to: Map, Florida Skip, P.O. Box 501, Miami Springs, FL 33266.

**An ole timer in Miami area is Layton N. Ruse, W4VBQ. Layton retired from Dictaphone, finds time for traffic nets and N. C. S. on one of the 14,313 SSB nets. He also recently put in dozens of hours at the Miami Dade County Youth Fair Amateur Radio Booth. Nice going OM ! !**

committee. Discussion about the proposal and alternatives took a major portion of the meeting. John Theimer of the FCC suggested that the Volunteer Monitoring Program be examined, and outlined FCC support of that program.

The monitoring program, augmented by the use of 45 new DF units distributed by the Dade County ARPSC, has many advantages. One immediate benefit is that the program is already in place, and is operating in many communities around the country. The use of the DF's will serve to pinpoint the violators and bring them to the attention of the FCC through the monitoring program.

The DCARPSC will be holding a seminar to coordinate the effort and to acquaint the owners of the DF's with their use and capabilities. In the meantime, I will set aside the effort to introduce legislation to the Florida Legislature, and assist the DCARPSC on the interference committee.

Dealing with the interference within the present structure of the monitoring program is certainly more advantageous than the legislation, which is a "final" solution should the alternatives fail. The success of the monitoring program lies in the hands of the amateurs. I encourage everyone to get involved locally and support it. If your area is plagued by malicious interference, start a task force and deal with it. If we truly want to clean up our frequencies, we have the means and ability. All we need to add is the desire.

My apologies to those who took the time to write only to have your letters returned. The P.O. box I was using belonged to a friend, and after a while the post office would not put mail addressed to me in his box. I'll have a new box number in next month's column. My thanks to everyone who did write, and especially to K1DOW/4 for copies of the correspondence.

I hope I will soon begin reporting success in tracking down violators in the South Florida area as a result of our DF efforts. My DF unit is completed and I'll begin practicing with it. Until then, 73.

### QCWA AT DAYTON HAMVENTION

The Dayton-Cincinnati chapter of the Quarter Century Wireless Association will hold its 1986 Annual Banquet on April 25th, the Friday night of the Dayton Hamvention. Leland Smith, National QCWA President, will speak on, "The Future of Amateur Radio." Happy Hour is at 6:30; Dinner is at 7:30 at the newly remodeled Imperial House, 175 and Needmore Road. For tickets and information contact:

Bob Dingle, KA4LAU
657 Dell Ridge Drive
Dayton, Ohio 45429

Come and bring a friend. QCWA membership is not required to attend.

### DADE COUNTY YOUTH FAIR

At this writing the Dade County Youth Fair is well underway. It runs from Mar. 13 through the 30th. Once again the Dade County Amateur Radio Public Service Corps has been invited to man a booth daily in the Edwards Hall from 4 to 11 p.m. A complete modern console station for all bands and Packet Radio has been supplied by the Dade Radio Club. Dade C.D. has provided their mobile communications van with a 40 foot crank up tower to house all antennas.

The booth will require 120 shifts of approx. 3 hours each. There are openings in the latter part of March if any licensed amateur would like to participate. It's a lot of fun and it is expected about 250,000 people will pass by the Amateur Booth.

Operators will be explaining to the visitors all about amateur radio and passing out free information on amateur radio and where classes are being held in Dade and Broward county. They will also be taking in radiograms for transmission from W4NVU, the station call sign.

If anyone would like to sign up for a shift or two and receive free passes, call Andy Clark, W4IYT, Event Coordinator at 888-3874 ASAP.

### FCC CRACKS DOWN ON CB ILLEGAL LINEAR AMPLIFIERS

Richard M. Smith, Chief of the FCC's Field Operations Bureau, announced today (March 6, 1986), that the FCC plans to increase its efforts to combat the illegal sale and ue of linear amplifiers used to boost Citizens Band (CB) transmitter power. The FCC will concentrate on strictly enforcing rules regarding the marketing and use of "linears."

Last summer, the Field Operations Bureau conducted a study of cases reported to local FCC offices concerning CB interference to home electronic entertainment equipment (HEEE). It was found that 57% of those cases could be attributed to overpowered CB stations . . . 91% involved linear amplifiers.

The FCCis stepping up several activities to decrease these numbers. All FOB offices will take an active interest in locating and closing down stations using linear amplifiers and other illegal transmitters. Field personnel will attempt to determine the sources of any linears found during the inspections in order to locate major manufacturers and distributors. These violators will be targeted for administrative sanctions (fines) and criminal prosecution, if necessary. A related activity will be rigorous enforcement of FCC regulations upon unscrupulous dealers and service technicians who modify or repair modified equipment.

Anyone who has information concerning the illegal manufacture, marketing or use of CB linear amplifiers is encouraged to telephone the nearest FCC Field Office.

Federal Communications Commission
Koger Building, Room 203
8675 N.W. 53rd Street
Miami, Florida 33166
Telephone: (305) 536-5542

For more information, contact Sue Earlewine, Chief, Public Contact Branch, (204) 634-1940 or Richard B. Engelman, Chief, Inspections and Investigations Branch, (202) 632-6345.

### HANDICAPPED APPLICANTS

**"No doctor's statement is required in the case of a candidate whose physical disabilities require special procedures to allow participation in examination sessions." This is according to FCC Personal Radio Branch Chief John B. Johnston, W4BE, in a letter sent to Lyndell "Chuck" Miller of the P.H.D. Amateur Radio Club VEC of Liberty, Missouri. The P.H.D. organization had written to the FCC in late 1985 to ask if a doctor's letter is still required when giving amateur examinations to handicapped applicants as was outlined in FCC Regulation 97.26(g). In his response to Miller, Johnston noted, "No qualified persons should fail an examination solely becuase of a handicap. VEs should make a special effort to assist handicapped candidated." Under the previous FCC-administered examination system, a physician's certificate was required only where a candidate claimed that he was unable to appear at a Commission-supervised examintion due to protracted disability. This provision was not carried over to the VEC testing system. (THE WESTLINK REPORT)**